OPERATING MANUAL

Hausted® Converge Multi-Purpose Treatment and Exam Stretcher - Electric Powered
Models: 4E7APRST and 4D7APRST

(10/12/06) **075995**

A WORD FROM STERIS CORPORATION

This manual contains important information on proper use and maintenance of the Hausted® Electric Converge Stretcher. **All personnel involved in the use and maintenance of this equipment must carefully review and comply with the warnings, cautions and instructions contained in this manual.** These instructions are important to protect the health and safety of personnel operating a Electric Converge Stretcher and should be retained in a conveniently accessible area for quick reference.

Complete instructions for uncrating and connecting utilities, as well as equipment drawings, have been furnished. If missing, contact STERIS for replacement copies, giving the serial number and model numbers of the unit.

STERIS carries a complete line of accessories for use with this stretcher. A STERIS representative will gladly review these with you.

Indications for Use

The Hausted® Electric Converge Stretchers are intended for use in patient treatment, transport or recovery.

Service Information

A thorough preventive maintenance program is essential to safe and proper unit operation. This manual contains maintenance schedules and procedures which should be followed for satisfactory equipment performance.

You are encouraged to contact STERIS concerning our comprehensive Annual Maintenance Agreements. Under the terms of these agreements, preventive maintenance, adjustments, and replacement of worn parts are done on a scheduled basis to assure equipment performance at peak capability and to help avoid untimely or costly interruptions. STERIS maintains a global staff of well equipped, factory-trained technicians to provide this service, as well as expert repair services. Please contact your STERIS representative for details.

Advisory

A listing of the safety precautions to be observed when operating and servicing this equipment can be found in Section 1 of this manual. Do not operate or service the equipment until you have become familiar with this information.

Any alteration of this equipment not authorized or performed by STERIS Engineering Service which could affect its operation will void the warranty, could adversely affect sterilization efficacy, could violate national, state, and local regulations, and could jeopardize your insurance coverage.

©2006, STERIS Corporation. All rights reserved.

Printed in U.S.A.

CE

EC Authorized Representative

STERIS Limited
STERIS House
Jays Close
Viables
Basingstoke
Hampshire
RG22 4AX
UNITED KINGDOM

Manufactured by:
STERIS Corporation
2720 Gunter Park East
Montgomery, AL 36109 • USA

TEL: 334 277 6660
FAX: 334 271 5450

Class 1 Equipment

Type B Equipment

Equipment not suitable for use in the presence of a flammable anesthetic mixture with air or oxygen or nitrous oxide.

IPX4 (Splash-proof Equipment)

Not suitable for continuous operation (Duty Cycle: 10% six minutes in one hour)

STERIS Corporation, Montgomery, Alabama is an ISO 13485 certified facility.

The base language of this document is ENGLISH. Any translations must be made from the base language document.

www.steris.com

TABLE OF CONTENTS

Section	Title	Page
1	LISTING OF WARNINGS AND CAUTIONS	1-1
2	UNPACKING INSTRUCTIONS	2-1
3	OPERATING INSTRUCTIONS	3-1
	3.1 Stretcher Specifications	3-1
	3.2 Features, Warnings and Proper Operation	3-2
	3.3 Braking and Steering Operation	3-4
	3.31 Applying the Brakes	3-4
	3.32 Releasing the Brakes	3-4
	3.3.3 Applying the Steering Lock	3-4
	3.3.4 Releasing the Steering Lock	3-4
	3.4 Electric Control Locations	3-5
	3.4.1 Nurses Control Panel	3-5
	3.4.2 Patient Pendant	3-5
	3.4.3 Plug Locations	3-5
	3.4.4 Low Battery Light (L.E.D.)	3-5
	3.5 Litter Top Adjustment	3-6
	3.5.1 Height Adjustment	3-6
	3.5.2 Fowler Adjustment	3-6
	3.5.3 Quick Drop Activation (Fowler Backrest)	3-7
	3.5.4 Leg Section Adjustment	3-7
	3.5.5 Trendelenburg Adjustment	3-8
	3.6 Patient Rail Operation	3-8
	3.6.1 Raising the Rail	3-8
	3.6.2 Half Height	3-8
	3.6.3 Lowering the Rail	3-8
	3.7 Heel Stirrup Operation	3-9
	3.7.1 Extending the Heel Stirrup	3-9
	3.7.2 Retracting the Heel Stirrup	3-9
	3.8 Push Handle Operation (optional accessory)	3-10
	3.8.1 Raising the Push Handles	3-10
	3.8.2 Lowering the Push Handles	3-10
	3.9 Perminent Mounted I.V. Rod Operation	3-11
	3.9.1 Putting I.V. Rod in Up Position	3-11
	3.9.2 Extending I.V. Rod	3-11
	3.9.3 Retracting I.V. Rod	3-11
4	TROUBLE SHOOTING GUIDE	4-1
	4.1 Electric Powered Stretchers	4-1
	4.2 Battery Replacement Instructions	4-2
5	RECOMMENDED PREVENTIVE MAINTENANCE	5-1
	5.1 Recommended Cleaning Instructions	5-1
6	OPTIONAL ACCESSORIES	6-1
7	RECOMMENDED REPLACEMENT PARTS	7-1

LISTING OF WARNINGS AND CAUTIONS

1

The following is a listing of the safety precautions which must be observed when operating and servicing this equipment. WARNINGS indicate the potential for danger to personnel, and CAUTIONS indicate the potential for damage to equipment. These precautions are repeated (in whole or in part), where applicable, throughout the manual.

WARNING–LACERATION HAZARD:

- When cutting bands always use a tool specifically designed for that purpose. This will help to avoid personal injuries frequently incurred when bands are cut and tension released.

WARNINGS – PERSONAL INJURY:

- Do not sit or stand on end - tipping may occur.
- Be sure the I.V. rod is inserted completely into socket up to the arrow before applying load.
- To reduce the risk of electric shock, do not remove the cover. Unit is to be service by qualified personnel only.

See Section 3 for the Warnings below:

WARNINGS – CAUTIONS AND PROPER OPERATION:

- The stretchers have a warning label located at the head end stating: Maximum patient weight 226 Kilograms (500 Lbs.)
- Patient entry, egress and transfer should always be done with the brakes locked.
- The brakes should always be locked and patient side rails up when patient is not in transport.
- The patient pendant has a warning label on it stating: Clip pendant to rail when not in use - Keep cord clear of moving parts.
- It is important to remember that all electric stretchers are equipped with a built in battery backup system but: It is recommended that the unit remain plugged in wall receptacle during normal use. The battery back backup is recommended for transport and emergency only.
- The Fowler backrest quick drop handle is intended to be used during emergency situations only.
- Be sure rail is locked before leaving patient.
- The lock out knobs deactivate both the patient pendant and the control panel.
- The stretcher has a warning label on the tube of the leg section stating: Severe damage could occur to stretcher. Before raising the foot section, the heel stirrup axial adjustment must be straight.
- The stretcher has a warning label on the end of the foot section stating: Do not sit on foot section. Tipping may occur.
- The stretcher has a warning label on the foot rest stating: Do not stand on foot rest.
- To turn electric controls on, plug into wall receptacle. To turn off, remove plug from wall receptacle. The electric powered stretchers do not have a separate on/off switch.
- The stretcher has a warning label located on the control box cover stating: To reduce the risk of electrical shock do not remove the cover. Service by qualified personnel only.
- Always disconnect the power source whenever servicing any electric powered stretcher.

WARNINGS – CAUTIONS AND PROPER OPERATION: (continued)

⚠ Do not use a sharp instrument to remove fuse, as it may scratch the circuit board.

⚠ The batteries are wired in series, failure to install or rewire the same way may cause the batteries to explode.

⚠ The stretcher has a warning label on the tube of the leg section stating: Do not transport patient in the chair configuration (tipping may occur).

⚠ Floors must be smooth and level to maintain optimum fifth wheel steering. Fifth wheel steering functions can be influenced by floor irregularities (bumps or dips) greater than 1/2 inch (13 mm) across the span of the stretcher.

UNPACKING INSTRUCTIONS

IMPORTANT: Report any shipping damage immediately! Inform shipper of any damages – leave carton intact. Leave the stretcher in the receiving area until inspection is complete.

Your Converge stretcher has been carefully packaged at our manufacturing plant to ensure safe shipment to you medical facility. There are several procedures you must follow to put your new stretcher into service. These procedures only take a few minutes to complete and are required to ensure proper operation of the stretcher.

WARNING – LACERATION HAZARD: When cutting bands always use a tool specifically designed for that purpose. This will help to avoid personal injuries frequently incurred when bands are cut and tension released.

Step 1 – Cut the two metal bands around the shipping carton.

Step 2 – Remove the top half of the carton and cut one side of the bottom half.

Step 3 – Remove the stretcher from the carton. Cut the metal bands from around the stretcher.

Step 4 – Check to see if all features of the stretcher work properly.

NOTE: You must first plug the unit into a wall socket to check any electric features, as the battery has not been charged (see Step 6).

If all features work properly, go to step 5. If any of the features of the stretcher do not work properly, call STERIS for service.

Step 5 – Clean the stretcher using a mild detergent to remove any dirt accumulated during shipment.

Step 6 – Plug the unit into a wall socket to charge for approximately 8 hours to charge the battery backup.

Step 7 – Place the unit into service.

3.1 Stretcher Specifications

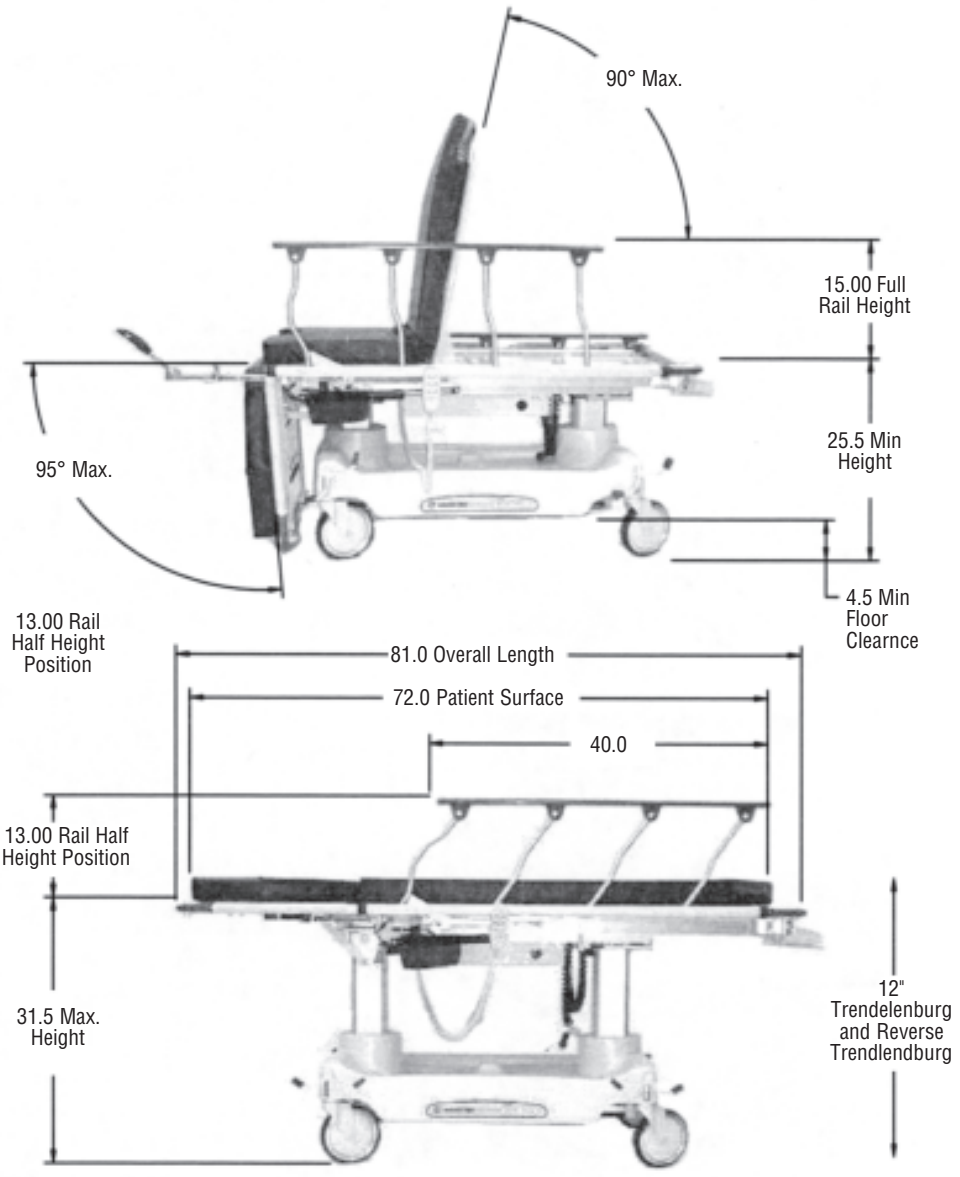
WARNING – PERSONAL INJURY: The stretchers have a warning label located at the head end stating: maximum patient weight 226 Kilograms (500 lbs.)

***NOTE**: All dimensions are specified in inches.*

All dimension are ±.375 inches.

STERIS reserves the right to change specifications without notice.

Unit weight: 315 lbs.



Unit Weight: 315 Lbs.

Electrical Specifications
(Applies only to 4D7APR Model)

Product Classifiation:	1
Input Voltage:	230V ~, +/-10%, 50Hz
Amperage:	Max. 1.9A
Duty cycle:	10% 6 Min in 1 Hr.
IP Rating:	IPX 4
Grounding Protection:	Type B

Electrical Specifications
(Applies only to 4E7APR Model)

Product Classifiation:	1
Input Voltage:	120V ~, +/-5%, 60Hz
Amperage:	Max. 3.5A
Duty cycle:	10% 6 Min in 1 Hr.
IP Rating:	IPX 4
Grounding Protection:	Type B

3.2 Features, Warnings and Proper Operation

⚠ WARNINGS – CAUTIONS AND PROPER OPERATION:

A. The stretchers have a warning label located at the head end stating: Maximum patient weight 226 Kilograms (500 Lbs.)

B. Patient entry, egress and transfer should always be done with the brakes locked.

C. The brakes should always be locked and patient side rails up when patient is not in transport.

D. The patient pendant has a warning label on it stating: Clip pendant to rail when not in use - Keep cord clear of moving parts.

E. It is important to remember that all electric stretchers are equipped with a built in battery back-up system but: It is recommended that the unit remain plugged in wall receptacle during normal use. The battery back back-up is recommended for transport and emergency only.

F. The Fowler backrest quick drop handle is intended to be used during emergency situations only.

G. Be sure rail is locked before leaving patient.

H. The lock out knobs deactivate both the patient pendant and the control panel.

I. The stretcher has a warning label on the tube of the leg section stating: Severe damage could occur to stretcher. Before raising the foot section, the heel stirrup axial adjustment must be straight.

J. The stretcher has a warning label on the end of the foot section stating: Do not sit on foot section. Tipping may occur.

K. The stretcher has a warning label on the foot rest stating: Do not stand on foot rest.

L. To turn electric controls on, plug into wall receptacle. To turn off, remove plug from wall receptacle. The electric powered stretchers do not have a separate on/off switch.

M. The stretcher has a warning label located on the control box cover stating: To reduce the risk of electrical shock do not remove the cover. Service by qualified personnel only.

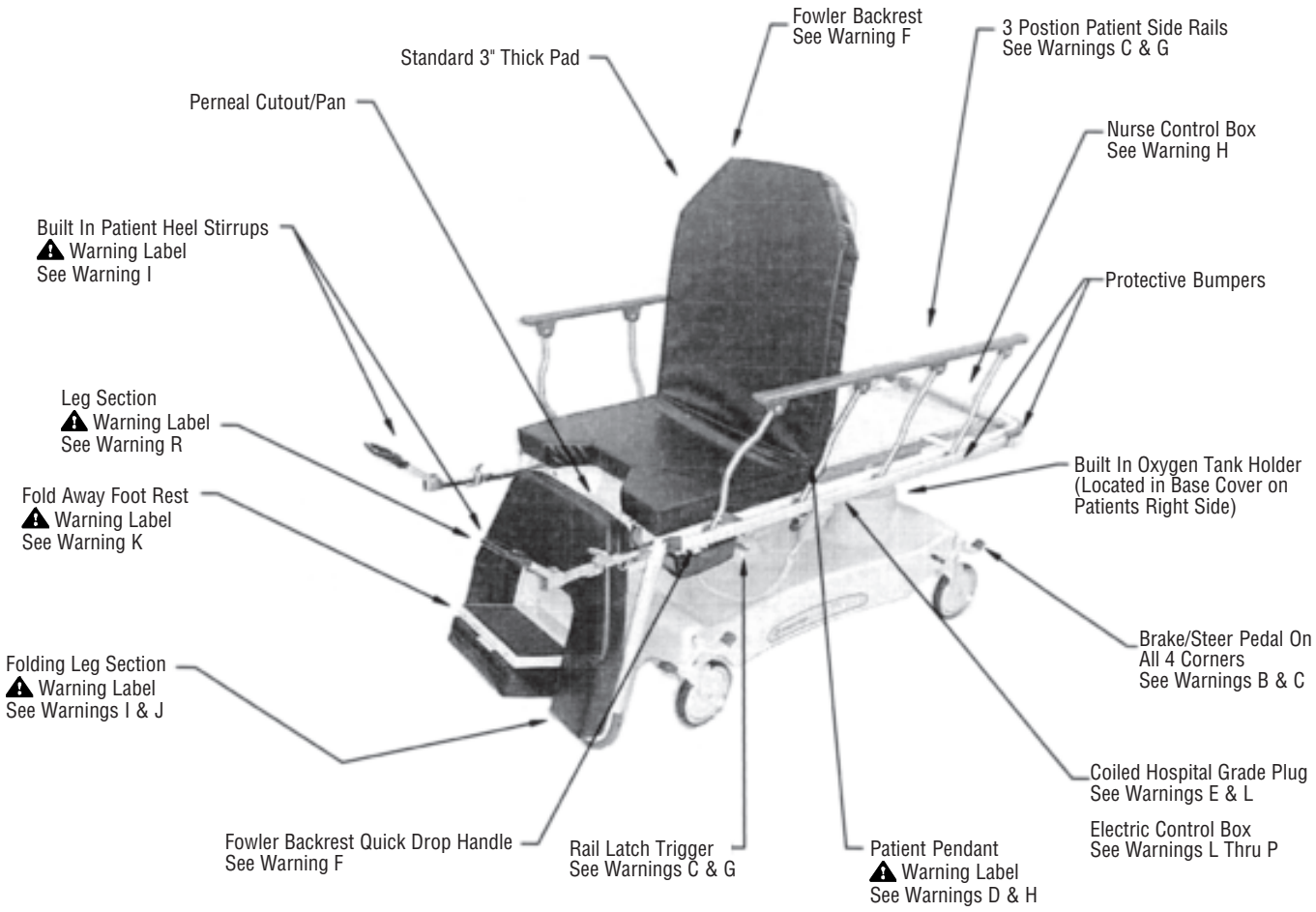
N. Always disconnect the power source whenever servicing any electric powered stretcher.

O. Do not use a sharp instrument to remove fuse, as it may scratch the circuit board.

P. The batteries are wired in series, failure to install or rewire the same way may cause the batteries to explode.

R. The stretcher has a warning label on the tube of the leg section stating: Do not transport patient in the chair configuration (tipping may occur).

S. Floors must be smooth and level to maintain optimum fifth wheel steering. Fifth wheel steering functions can be influenced by floor irregularities (bumps or dips) greater than 1/2 inch (13 mm) across the span of the stretcher.


Fowler Backrest
See Warning F
3 Postion Patient Side Rails
See Warnings C & G
Standard 3" Thick Pad
Perneal Cutout/Pan
Nurse Control Box
See Warning H
Built In Patient Heel Stirrups
Warning Label
See Warning I
Protective Bumpers
Leg Section
Warning Label
See Warning R
Built In Oxygen Tank Holder
(Located in Base Cover on
Patients Right Side)
Fold Away Foot Rest
Warning Label
See Warning K
Brake/Steer Pedal On
All 4 Corners
See Warnings B & C
Folding Leg Section
Warning Label
See Warnings I & J
Coiled Hospital Grade Plug
See Warnings E & L
Electric Control Box
See Warnings L Thru P
Fowler Backrest Quick Drop Handle
See Warning F
Rail Latch Trigger
See Warnings C & G
Patient Pendant
Warning Label
See Warnings D & H

3.3 Braking and Steering Operation

3.31 Applying the Brakes

Figure 3-1.

The four wheel central braking system is activated by depressing the red pedal at any of the four corners of the unit (Figure 3-1). To fully engage the brakes, the pedal should be pressed to approximately 45°. All four caster wheels should be locked from swiveling and rotating.

3.32 Releasing the Brakes

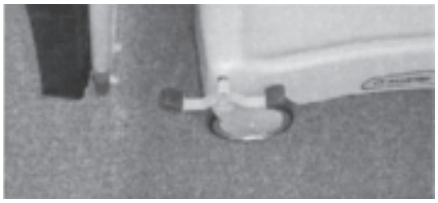


Figure 3-2.

Depress the green pedal at any of the four corners of the unit, until the pedal is in a horizontal position (Figure 3-2). All four wheels should rotate and swivel freely.

***NOTE**: Brakes should always be activated when unit is not in transport.*

3.3.3 Applying the Steering Lock

⚠ WARNING – PROPER OPERATION HAZARD: Floors must be smooth and level to maintain optimum fifth wheel steering. Fifth wheel steering functions can be influenced by floor irregularities (bumps or dips) greater than 1/2 inch (13 mm) across the span of the stretcher.

Figure 3-3.

From any corner of the stretcher, depress the green pedal downward into locked position (Figure 3-3). Push the stretcher forward. One caster at the foot end will lock into a non-swivel mode. The steering lock will then guide the stretcher along a straight path with minimal steering effort by the attendant.

3.3.4 Releasing the Steering Lock

Depress the red pedal at any of the four corners of the unit, until the pedal is in a horizontal position (Figure 3-2). All four wheels should rotate and swivel freely.

3.4 Electric Control Locations

3.4.1 Nurses Control Panel

To access the nurses control panel, pull out on the handle located at the head end of the unit, under the top (Figure 3-4).

Figure 3-4.

3.4.2 Patient Pendant

The patient pendant has an adjustable location and may be located on either side rail (Figure 3-5).

CAUTION: Clip pendant to rail when not in use. Keep cord clear of moving parts

Figure 3-5.

3.4.3 Plug Locations

The stretcher is equipped with battery back up for transport but should be plugged into a wall receptacle when not in transport. The plug is stored on hooks under the middle section of the top, on either side (Figure 3-6). Remove the coiled plug from the hook and plug into the nearest wall receptacle.

***IMPORTANT**: It is recommended that the unit remain plugged in wall receptacle during normal use. Battery back-up is recommended for transport and emergency only.*

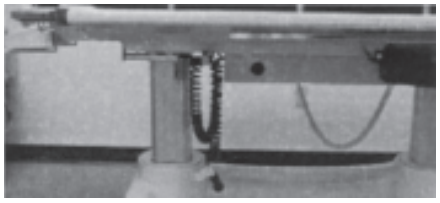


Figure 3-6.

3.4.4 Low Battery Light (L.E.D.)

The stretcher is equipped with a low battery indicator light, located on the controller cover under the top, on the patient's left side of the stretcher (Figure 3-7). When a button on the pendant is pressed, and the L.E.D. light comes on, it indicates that the backup batteries require charging. Plug the unit into a wall receptacle.

Figure 3-7.

3.5 Litter Top Adjustment

CAUTION: The lock-out deactivates pendant and control panel.

3.5.1 Height Adjustment

Lockout: Unlocking: Turn the knob located under the third set of buttons on the control panel, clockwise approximately 90° (Figure 3-8). Locking: Turn the knob under the third set of buttons, counter-clockwise approximately 90°.

***NOTE**: This "Lockout" knob also controls the Trendelenburg functions.*

Nurse: Press either of the up or down arrows located on the third set of buttons on the control panel (Figure 3-9). Hold in the button in until desired height is achieved.

Patient: Press either of the up or down arrows located on the third set of buttons on the patient pendant (Figure 3-10). Hold in the button until desired height is achieved.

Figure 3-8.

Figure 3-9.

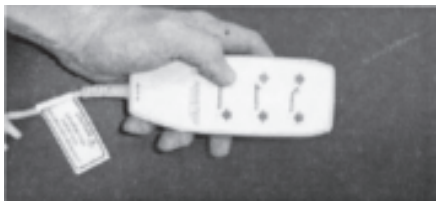


Figure 3-10.

3.5.2 Fowler Adjustment

Lockout: Unlocking: Turn the knob located under the first set of buttons on the control panel, clockwise approximately 90° (Figure 3-11). Locking: Turn the knob under the first set of buttons, counter-clockwise approximately 90°.

Nurse: Press either of the up or down arrows located on the first set of buttons on the control panel (Figure 3-12). Hold in the button until desired incline is achieved.

***NOTE**: This unit is equipped with a Fowler backrest quick drop handle which is located on either side of the stretcher near the foot section(see stretcher specification page). This option is only to be used during an emergency situation.*

Patient: Press either of the up or down arrows located on the first set of buttons on the patient pendant (Figure 3-13). Hold in the button until desired incline is achieved.

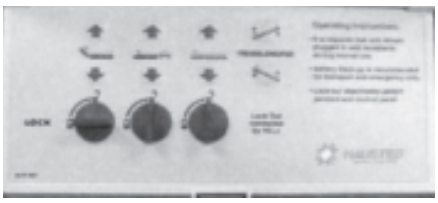


Figure 3-11.

Figure 3-12.

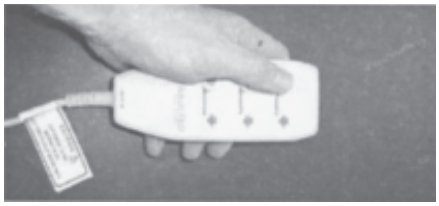


Figure 3-13.

3.5.3 Quick Drop Activation (Fowler Backrest)

The stretcher is equipped with manual override function for the Fowler backrest. This option should only be used in an emergency situation. To activate the quick drop, support the Fowler backrest and pull out on the red "T" handle (Figure 3-14) located under the litter top on the patient's left side near the leg section.

Figure 3-14.

3.5.4 Leg Section Adjustment

⚠ WARNING – PERSONAL INJURY: Severe damage could occur to stretcher before raising the foot section. The heel stirrup axial adjustment (Fig 15) must be straight (Fig 16).

Lockout: Unlocking: Turn the knob located under the second set of buttons on the control panel, clockwise approximately 90° (Figure 3-17). Locking: Turn the knob under the second set of buttons, counter-clockwise approximately 90°.

Nurse: Press either of the up or down arrows located on the second set of buttons on the control panel (Figure 3-18). Hold in the button until desired height is achieved.

Patient: Press either of the up or down arrows located on the second set of buttons on the patient pendant (Figure 3-19). Hold in the button until desired height is achieved.

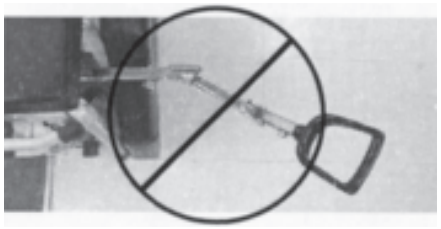


Figure 3-15.

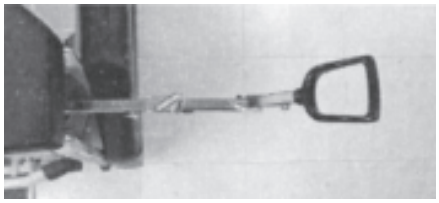


Figure 3-16.

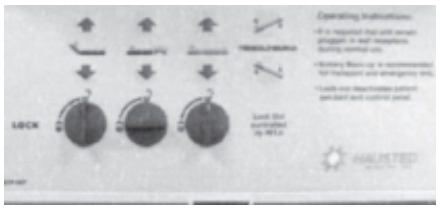


Figure 3-17.

Figure 3-18.

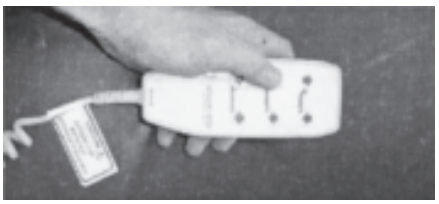


Figure 3-19.

⚠ WARNING – PERSONAL INJURY: Do not transport patient in chair configuration (tipping may occur).

⚠ WARNING: Do not sit or stand on foot section (tipping may occur).

3.5.5 Trendelenburg Adjustment

Lockout: See “Lockout” in the Section 3.5.1 *Height Adjustment Instructions*.

Nurse: Trendelenburg: Press the top button on the fourth set of buttons on the control panel (Figure 3-20). Hold in the button until desired angle is achieved.

Rev-Trendelenberg: Press the bottom button on the fourth set of buttons on the control panel (Figure 3-21). Hold in the button until desired angle is achieved.

Patient: There is no Trendelenberg functions on the pendant.

Figure 3-20.

Figure 3-21.

3.6 Patient Rail Operation

CAUTION: Always be sure rail is locked into position before leaving the patient unattended.

3.6.1 Raising the Rail

Grasp top cap in the middle of rail (Figure 3-22) and lift.

Figure 3-22.

3.6.2 Half Height

Grasp the rail, lift up on the red trigger under the litter top (Figure 3-23) while lowering the rail. When rail starts to move down release trigger. Lower rail until it locks into half height position.

Figure 3-23.

3.6.3 Lowering the Rail

Grasp the rail, lift up on the red trigger under the top (Fig 23). while lowering the rail. Hold up on the trigger until the rail is all the way down.

3.7 Heel Stirrup Operation

3.7.1 Extending the Heel Stirrup

WARNING – PERSONAL INJURY: Severe damage could occur to stretcher before raising the foot section, the heel stirrup axial adjustment (Figure 3-15) must be straight (Figure 3-16).

Lower the foot section (Figure 3-24) to approximately 20° below horizontal. Pull the heel stirrup out from under the top (Figure 3-25). Grasp the heel stirrup and fold out (Figure 3-26). At this point, place the patient's feet into the heel stirrup. Loosen the knob on top of the heel stirrup. Loosen the knob on top of the heel stirrup. Adjust the radial axis of the heel stirrup (Figure 3-27) to desired position. At this point you can lower the foot section all the way (Figure 3-28).

The heel stirrups can now be pulled out further if needed. Once the proper length is set, rotate the knob on the heel stirrup mount (Figure 3-29)to lock into place.

3.7.2 Retracting the Heel Stirrup

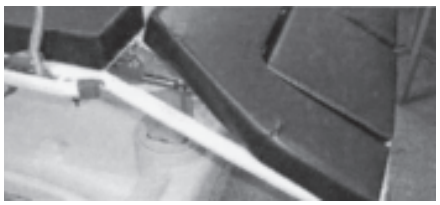


Figure 3-24.

Figure 3-25.

Figure 3-26.

Figure 3-27.

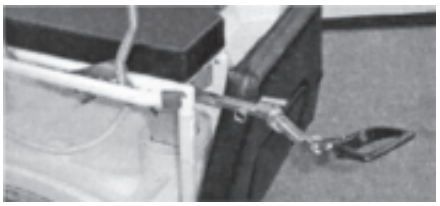


Figure 3-28.

Figure 3-29.

Simply reverse the steps, with the exception of the axial. Adjustment (Figure 3-28). The stirrup must always be in a straight axis with the stirrup tube (Figure 3-15 and 16).

***NOTE**: Do not raise the foot section with the heel stirrups extended.*

3.8 Push Handle Operation (optional accessory)

3.8.1 Raising the Push Handles

Rotate the push handle up (Figure 3-31) until it stops, slide the push handle down into the socket until it stops. Repeat process for handle on the other side (Figure 3-32).

3.8.2 Lowering the Push Handles

Lift up on push handle and rotate (Figure 3-31) until it is in the down position (Figure 3-30) Repeat process for the other side.

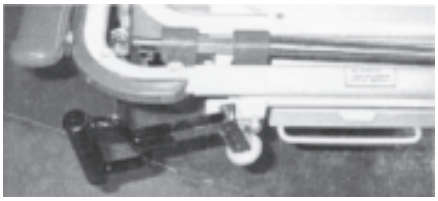


Figure 3-30.

Figure 3-31.

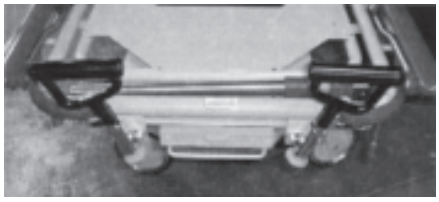


Figure 3-32.

3.9 Perminent Mounted I.V. Rod Operation

WARNING – PERSONAL INJURY: Be sure I.V. rod is inserted completely into socket up to the arrow before applying any load.

3.9.1 Putting I.V. Rod in Up Position

Grasp I.V. rod and rotate upward until it stops (Figure 3-33). Push down on I.V. rod until it slides firmly into the socket.

Figure 3-33.

3.9.2 Extending I.V. Rod

Lift up on top of I.V. rod (Figure 3-34) until desired height is achieved.

Figure 3-34.

3.9.3 Retracting I.V. Rod

Press Button located in the gray housing (Figure 3-35) and lower I.V. rod until desired height is achieved. Repeat process with second housing as required.

Figure 3-35.

4.1 Electric Powered Stretchers

WARNING: To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

If	Then
One motor or one column does not move but all others are operating correctly.	Step1: Check all motor and column plug connections at the controller box. Step 2: If a column does not move: Check the the connection at the column. Step 3: Plug a connector from the faulty component into a different socket: If the component does not run: – Replace that component. If the component does run: – Test pendant by plugging a functioning component into the non-functioning socket on the controller. If this component does not run, replace the pendant. If replacing the pendant does not fix the problem, then the controller must be replaced.
Nothing moves	Step 1: Plug unit into a mains supply wall receptacle, observe the pilot light on the controller: If the pilot light is off: - Replace the controller If the pilot light is on: 1. Check the nurse control plug connection at the controller. 2. Check the pendant control plug connection at the controller.
The unit runs when plugged into wall receptacle, but does not run on the battery backup.	Step 1: Plug unit into a wall receptacle overnight. If the batteries do not hold a charge, replace the batteries.

4.2 Battery Replacement Instructions

WARNING – SHOCK HAZARD: To reduce the risk of electric shock, do not remove the cover. Unit is to be serviced by qualified personnel only.

WARNING – PERSONAL INJURY HAZARD: The batteries are wired in series, failure to connect the same way can cause the batteries to explode.

The batteries are the only field serviceable components - do not attempt to repair the circuit boards.	
Battery replacement	Step 1: Remove the controller. Step 2: Remove the 4 screws from the right half, located on top of the controller. Step 3: Replace (both) batteries with 'YUSHA' #NP 1.2-12, 12 volt, 1.2 Ah batteries. (Steris P/N 075759 – 2 required. Step 4: Be sure battery connector in in place on left side of batteries. Step 5: Replace cover.

Procedure	Schedule	Material
Lubricate all moving and sliding parts and hinge points.	3 Months	Lubricating oil, light-duty grease, wax stick lubricant or Never-Seez lubricant.
⚠ Never Lubricate Gas Spring, Motor and Mech-Lock Shafts ⚠		
Inspect all fasteners to ensure proper fit, position and tightness (including nuts, bolts, etc.).	3 Months	Proper size wrench and screw-driver.
Inspect all surfaces and remove any user developed sharp or burred areas. Apply touch-up where required.	3 Months	Metal File, proper color paint (specify color when ordering)

5.1 Recommended Cleaning Instructions

***NOTE**: Steam cleaning and pressure washing of stretcher is not recommended and can void warranty*

Component	Cleaning Procedure	Schedule	Cleaning Agent	Special Notes
Pads	Wipe with Damp Cloth To remove any foreign materials	After Each Use	Routine Hospital Grade Disinfectants, Soap and Water	• Use only medium strength cleaners • Do not steam clean or pressure wash
Electric Components	Wipe with damp cloth to remove any foreign materials	After each use	Routine hospital grade disinfectants, soap and water	• Use only medium strength cleaners • Do not steam clean or pressure wash • Be sure any wet surface on electic components is dry before pulgging into wall receptacle
Mechanical Stretcher Components	Wipe with damp cloth to remove any foreign materials	After each use	Routine hospital grade disinfectants, soap and water	• Lubricate pivot points after cleaning
Mechanical Accessories	Wipe with damp cloth to remove any foreign materials	After each use	Routine hospital grade disinfectants, soap and water	• Lubricate pivot points after cleaning

For more details information, please contact:

STERIS Corporation at:

1-800-333-8828

OPTIONAL ACCESSORIES

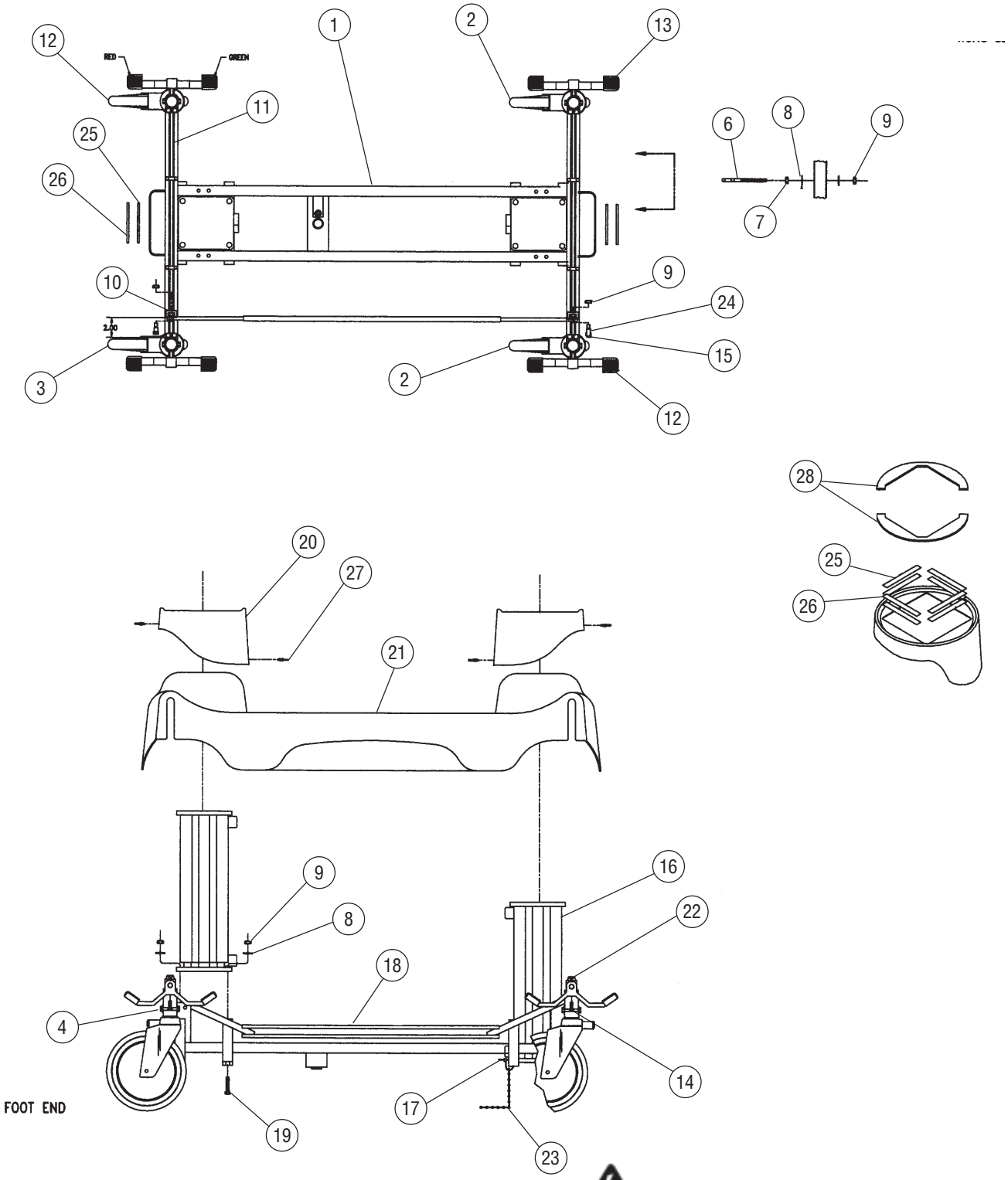
6

00018-00	Telescoping I.V. Rod, 27" to 50" 2 Section, with Holder, Stainless
IVSTOW-00	Mobile IV Stand Attachment
067225-00	Head Board with Chart Holder
067221-00	Extension Head or Footboard w/1" Pad and Chart Holder
068835-00	Extension Head or Footboard w/Monitor Shelf and Chart Holder
000012-00	Restraint Strap with Buckle
000014-00	Velcro Restraint Strap
076334-00	Surgical Armboard - Pad and Adapter Included
00C16L-00	Knee Crutch Stirrups
00C16M-00	Adapters for Leg Holders
065366-00	Universal Patient Tray
075644-00	Self-Storing Push Bars
075170-00	Procto Board
SA0941-00	Articulating Headrest

It is recommended that only STERIS approved accessories be used with this device. To order accessories or for more detailed information on accessories please contact STERIS Corporation at: 1-800-333-8828

RECOMMENDED REPLACEMENT PARTS

7



***Important Note**: To reduce the risk of electric shock, do not remove the cover.*

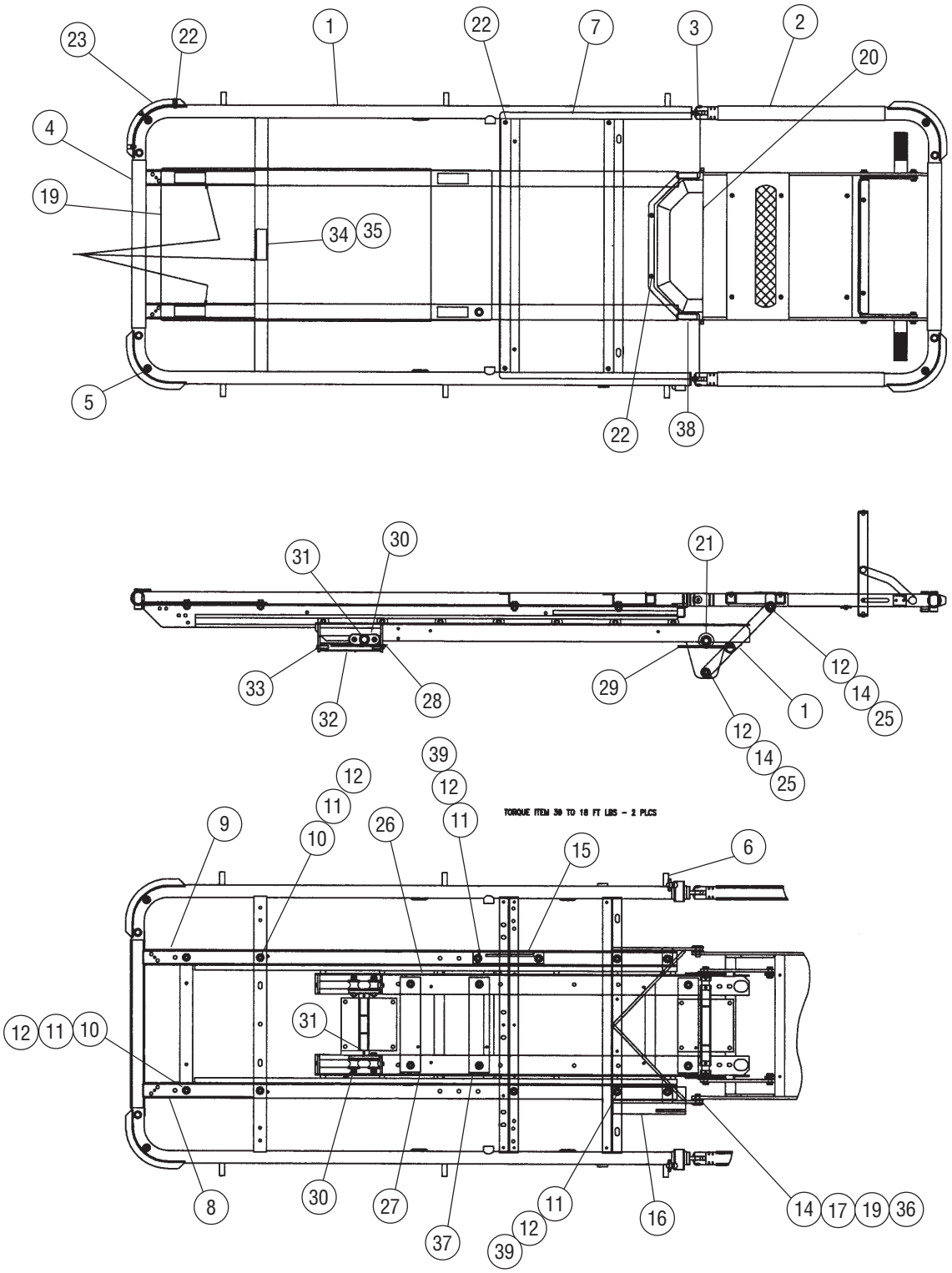
Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figures 7-9 & 7-10.

For detailed label locations, see Figure 7-11.

Figure 7-1. 4E7/4D7 Base Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-1-	**075907**		**4E7/4D7 BASE ASSEMBLY**	**X**
1	075910		ASSEMBLY, Base Frame	1
2	062672		CASTER, Tente, Brake	3
3	062671		CASTER, Tente, Swivel Lock	1
4	062659		PLATE, Caster Bolt Lock	4
5	062685		SCREW, Hex Head Cap, M8 x 1.25 x 12.00" Long	8
6	065041		BOLT, Eye, 5/16-18	4
7	031058		NUT, Free Thread, 5/16"	4
8	031080		WASHER, Flat, 5/16"	16
9	031057		NUT, Lock, 5/16-18	14
10	062684		LEVER, Cam	2
11	068551		ROD, Hex Brake	2
12	066507		ASSEMBLY, Left Brake Pedal	2
13	066508		ASSEMBLY, Right Brake Pedal	2
14	031101		SCREW, Large Cap, 1/4-20 x 3/4" Long	4
15	011422		COLLAR, Worm	4
16	068983		COLUMN	2
17	000849		TIE, Cable	1
18	075975		ROD, Brake	1
19	061350		SCREW, Hex Head Cap, 5/16-18 x 1-1/2" Long	8
20	075915		SHROUD, Column	2
21	075962		COVER, Base	1
22	031156		GROMMET	4
23	062378		CHAIN, Anti-Static	1
24	065807		BOLT, Shoulder, 3/8" x 3/8"	2
25	075506		HOOK, Velcro, 1/2" x 4"	10
26	075505		PILE, Velcro, 1/2" x 4"	10
27	075150		RIVET, Drive	4
28	075920		PLATE, Column Cover	4



***Important Note**: To reduce the risk of electric shock, do not remove the cover.*

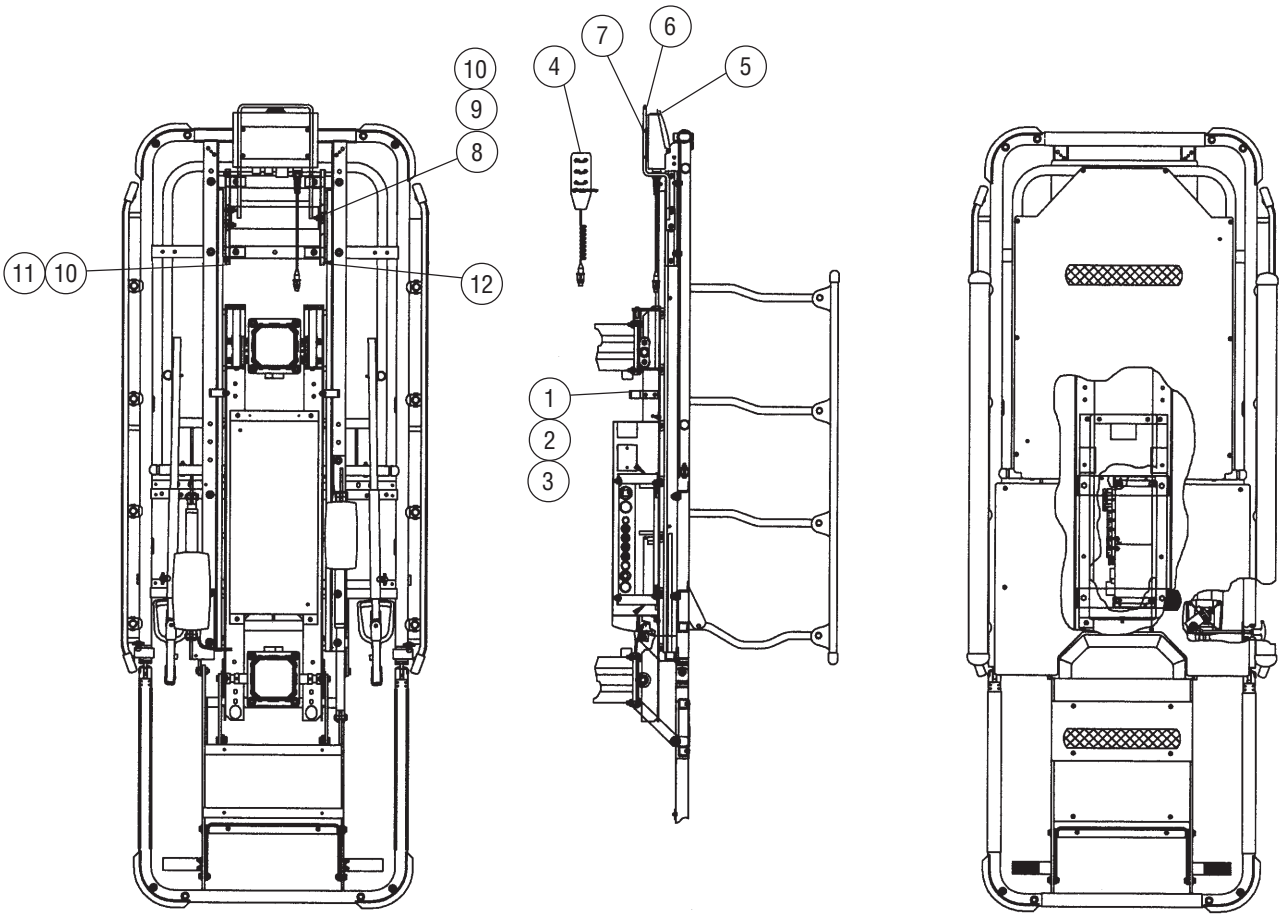
Unit is to be serviced by qualified personnel only.

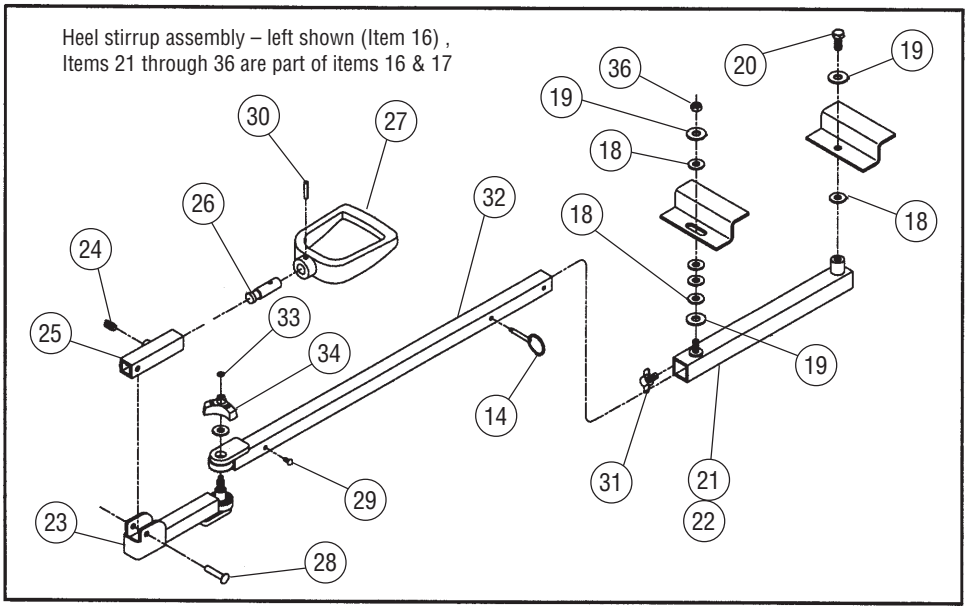
For detailed plug locations, see Figures 7-9 & 7-10.

For detailed label locations, see Figure 7-11.

Figure 7-2. Top Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-2-			**TOP ASSEMBLY**	**X**
1	P75923		WELDMENT, Top Assembly	1
2	P75909		ASSEMBLY, Sub-, Foot Section	1
3	031036		SCREW, Oval Head Pivot	2
4	075235		EXTRUSION, Tube Protector	1
5	031314		PIN, Spring, 3/16" x 3/4"	2
6	065796		KNOB, Tee, 5/16-18	2
7	P75916		SHEET, Seat Cover	1
8	068776		ASSEMBLY, Top Angle, Right	1
9	068777		ASSEMBLY, Top Angle, Left	1
10	031010		SCREW, Hex Head Cap, 5/16-18 x 3/4"Long	19
11	031076		WASHER, Flat, 1/4"	21
12	031057		NUT, Lock, 5/16-18	21
13	075992		BOLT, Shoulder, 3/8" x 5/8"	2
14	031075		WASHER, Nylon, 3/8"	6
15	075935		BRACKET, Foot Actuator Anchor	1
16	075944		MOUNT, Fowler Motor	1
17	069154		NUT, Joint Connector	2
18	P75917		COVER, Under Fowler	1
19	031081		WASHER, Shim, 5/17"	2
20	075961		PAN, Perineal Cut-out	1
21	068493		PLUG, Crosstube	2
22	000794		RIVET, Pop, 3/16" x 1/2"	12
23	066540		BUMPER, Corner	2
24	066685		ASSEMBLY, Pivot Link	2
25	065807		BOLT, Shoulder, 3/8" x 3/8"	4
26	068775		ASSEMBLY, Roller Angle, Left	1
27	068774		ASSEMBLY, Roller Angle, Right	1
28	075924		WELDMENT, Crosstube, Head	1
29	075926		WELDMENT, Crosstube, Foot	1
30	069176		ASSEMBLY, Sub-, Roller Pivot, Short	2
31	068464		COLLAR, 3/4	6
32	068463		ASSEMBLY, Roller Stop Tube	2
33	031327		SCREW, Button Head Cap Screwk, 1/4-20 x 1" Long	4
34	068512		VELCRO, Hook, 1/2" x 2"	8
35	068513		VELCRO, Pile, 1/2" x 2"	8
36	031325		SCREW, Button Head Cap1/4-20 x 1/2" Long	2
37	053090		PLATE, Top Support	2
38	000990		TAPE, Double Sided, 1/2" x 2"	2
39	031012		SCREW, Hex Head Cap, 5/16-18 x 1.0" Long	4





***Important Note**: To reduce the risk of electric shock, do not remove the cover.*

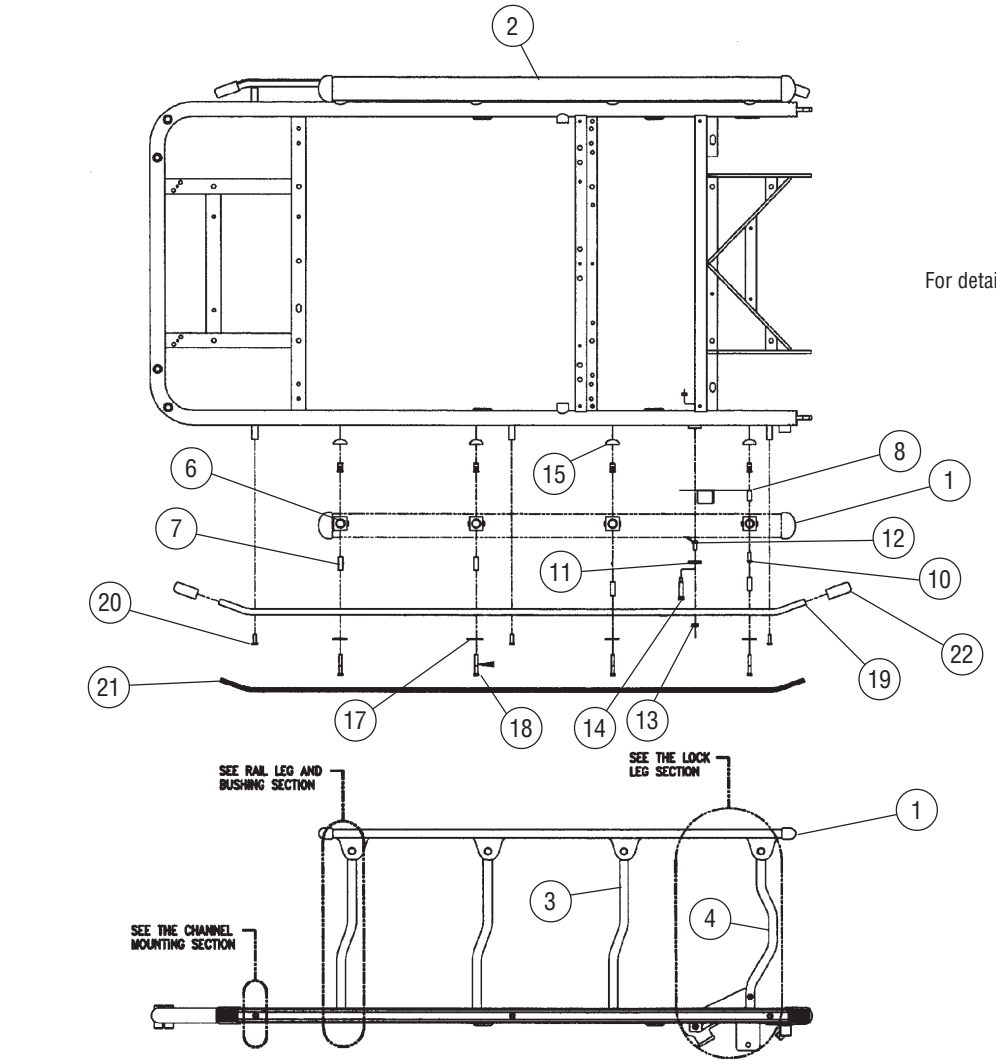
Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figures 7-9 & 7-10.

For detailed label locations, see Figure 7-11.

Figure 7-3. Top Assembly (continued)

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-3-			**TOP ASSEMBLY (CONTINUED)**	**X**
1	P75743		HANGER, Coil Cord	2
2	031000		SCREW, Hex Head Machine, #10-24 x 1.2" Long	4
3	031421		NUT, Lock, #10 24	4
4	075717		PENDANT, CB-14	1
5	075716		CONTROL, Nurse	1
6	P75942		ASSEMBLY, Lockout Slide	1
7	075036		SCREW, Cheese Head, M5 x .8 x 10MM	4
8	068663		GLIDE, Plastic	3
9	066925		SCREW, Flat Head Cap, 1/4-20 x 1" Long	3
10	031055		NUT, Lock, 1/4-20	5
11	031325		SCREW, Button Head Cap, 1/4-20 x 1/2" Long	2
12	P75096		WELDMENT, Lock Out Support Track	2
13	061195		SCREW, Truss Head Mach, #10-24 x 1/2" Long	7
14	062377		PIN, Self Locking	2
15	013080		WASHER, Flat, 5/16" ID x 7/8" OD	2
16	068769		ASSEMBLY, Heel Stirrup, Left	1
17	068770		ASSEMBLY, Heel Stirrup, Right	1
18	065688		WASHER, Nylon, 5/16"	10
19	031080		WASHER, Flat, 5/16"	6
20	031010		SCREW, Hex Head Cap, 5/16-18 x 3/4" Long	2
21	068744		ASSEMBLY, Outer Slide, Right	1
22	068754		ASSEMBLY, Outer Slide, Left	2
23	069124		ASSEMBLY, Heel Stirrup Hinge Arm	1
24	069337		SCREW, Dog Point Set, 5/16-18 x 1/2" Long	2
25	069129		ASSEMBLY, Hinge Tube	2
26	068762		PIN, Heel Stirrup	2
27	068747		CONVERGE, Heel Stirrup	2
28	069341		RIVET, Oval Head Steel, 1/4" x 1-3/16" Long	2
29	035210		SCREW, Metalic Drive, #10 x 3/8" Long	2
30	031118		PIN, Spring, 3/16" x 1"	2
31	065796		KNOB, T, 5/16-18	2
32	068751		ASSEMBLY, Heel Stirrup Slide	2
33	075990		RING, Retaining, Grooveless	2
34	075988		KNOB, Pivot Locking	2
35	031080		WASHER, Flat, 5/16" I.D. x 7/8" O.D.	2
36	031057		NUT, Lock, 5/16-18	2



For detailed label locations, see Figure 7-11.

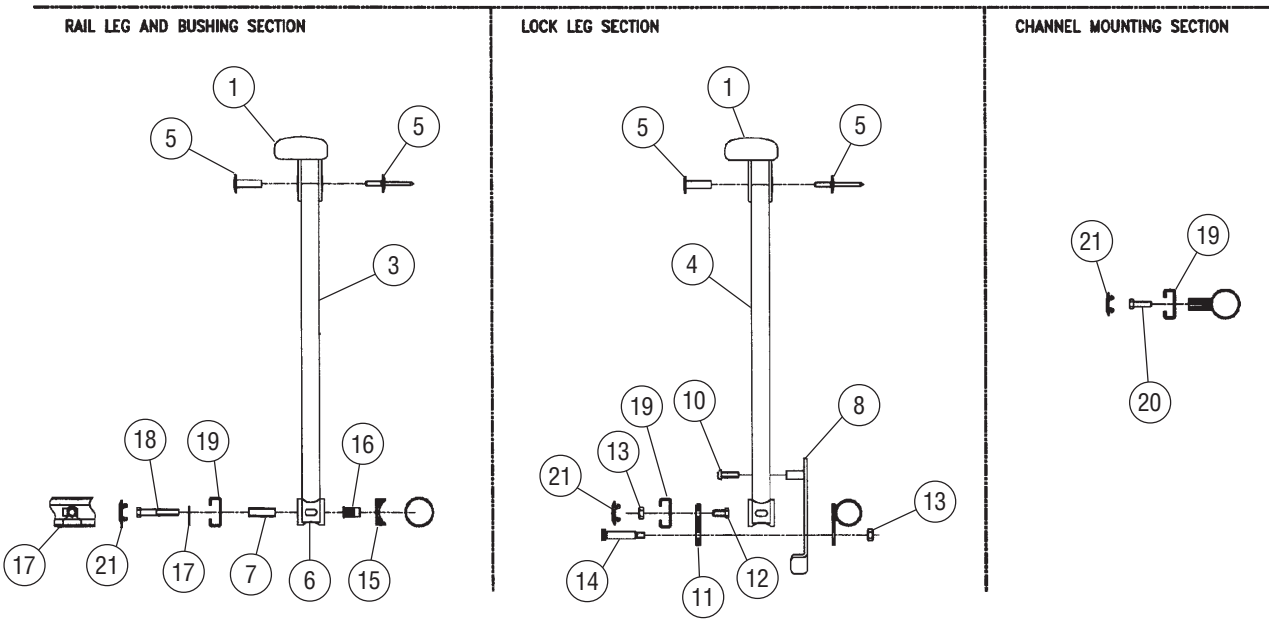
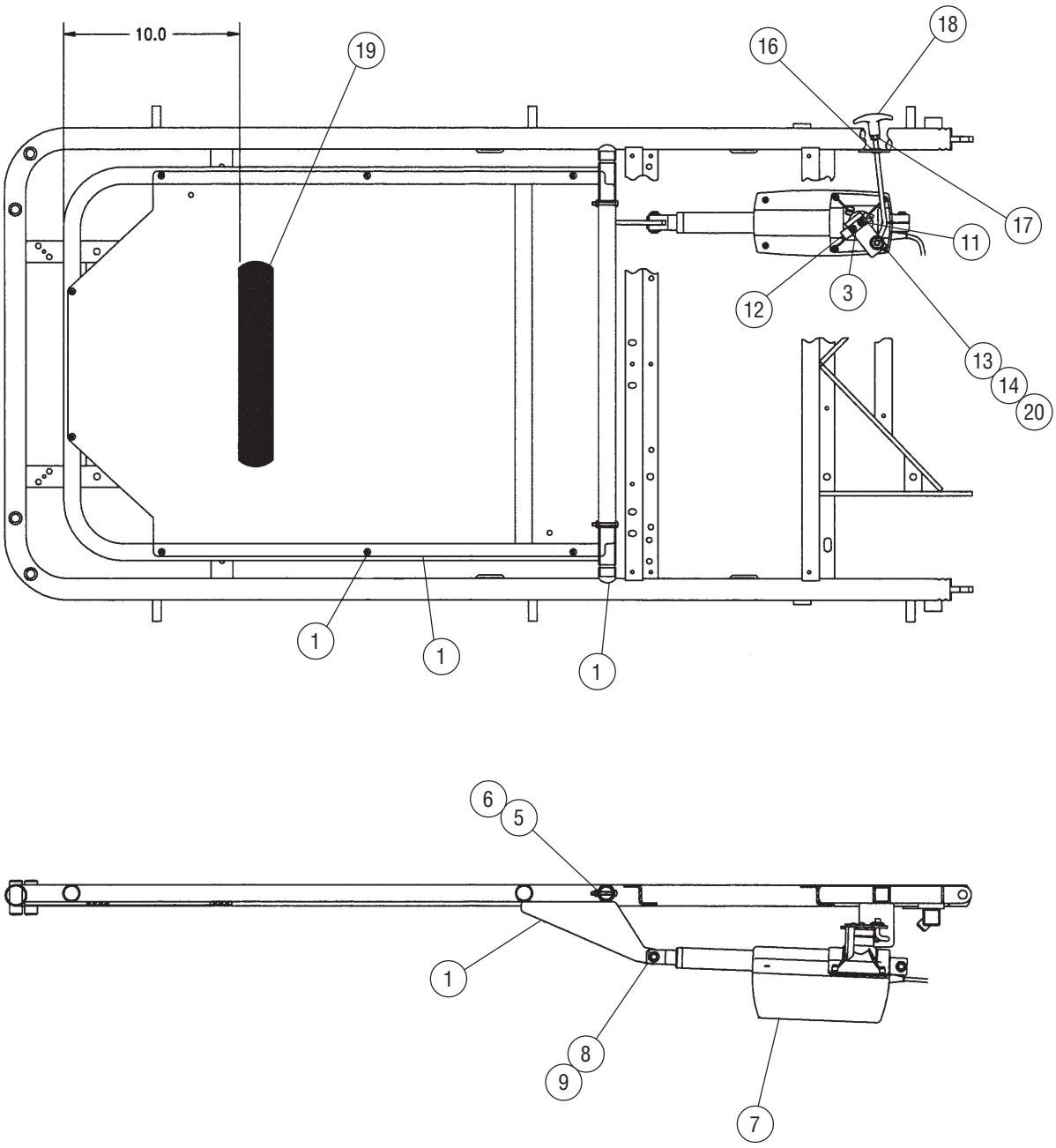


Figure 7-4. Rail Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-4-	**075979**		**RAIL ASSEMBLY, RIGHT**	**X**
	075978		**RAIL ASSEMBLY, LEFT**	**X**
1	075982		ASSEMBLY, Top Cap, Left	1
2	075980		ASSEMBLY, Top Cap, Right	1
3	068882		TUBE, Offset Leg	6
4	068883		TUBE, Lock Leg	2
5	068886		RIVET, Chery Mate (2 Pc)	8
6	035137		ROCKER	8
7	035138		SPACER	8
8	065432		ASSEMBLY, Lock Plate, Left	1
9	065433		ASSEMBLY, Lock Plate, Right (Not Shown)	1
10	062038		SCREW, Button Head Cap, 1/4-20 x 3/4" Long	2
11	068198		PLATE, Retracto Rail Support	2
12	068198		SCREW, 1/4-20 x 1/2 Hex Head Cap	2
13	031055		NUT, , 1/4-20 Lock	4
14	066617		BOLT, Shoulder, 5/16 x 1-1/4" Long	2
15	P75985		BUSHING, Rail	8
16	075977		INSERT, 1/4-20	8
17	075991		PLATE, Rail Bolt Lock	8
18	031321		SCREW, Hex Head Cap, 1/4-20 x 20" Long	8
19	P75958		CHANNEL, Side Bumper	2
20	031337		SCREW, 1/4-20 x 3/4 Hex Head Cap	6
21	067959		EXTRUSION, Side Bumper, Gray	2
22	066542		CAP, Brake Pedal, Red	4



***Important Note**: To reduce the risk of electric shock, do not remove the cover.*

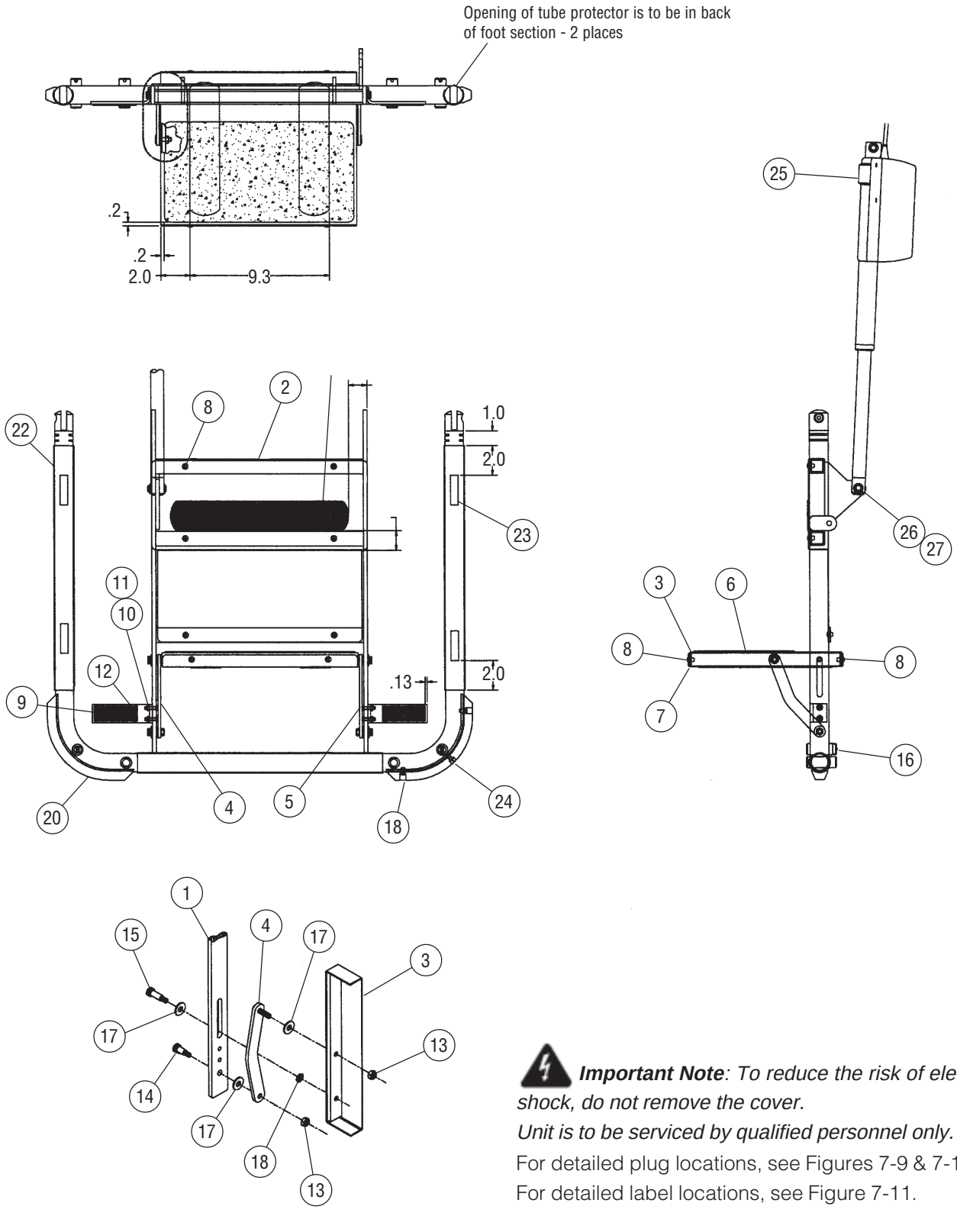
Unit is to be serviced by qualified personnel only.

For detailed plug locations, see Figures 7-9 & 7-10.

For detailed label locations, see Figure 7-11.

Figure 7-5. Fowler Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-5-			**FOWLER ASSEMBLY**	**X**
1	P75964		WELDMENT, Fowler Backrest	1
2	P66546		SHEET, Fowler Cover	1
3	000794		RIVET, Pop, 3/16" x 1/2"	9
4	066696		PIN, Fowler Hinge	2
5	075503		SCREW, Phillips Pan Head, #10-24 x 1-3/8" Long	2
6	031421		NUT, Lock, #10-24	2
7	068985		ACTUATOR, Fowler	1
8	075627		PIN, Hinge	1
9	065258		RING, Retaining	1
10	075488		PLATE, Actuator	1
11	075444		SCREW, Slotted Pan Head, M5 x 20MM Long	1
12	075411		SPACER	1
13	065688		WASHER, Nylon, 5/16"	1
14	075433		NUT, Pal, 1/4"	1
15	075960		ROD, Quick Drop Release	1
l6	061336		NYLINER, Flange	1
17	031054		NUT, Free Thread, 1/4-20	1
18	055215		KNOB, Red T Handle	1
19	031212		VELCRO, Hook, 2" x 12"	2
20	066237		SPACER	1



***Important Note**: To reduce the risk of electric shock, do not remove the cover.*

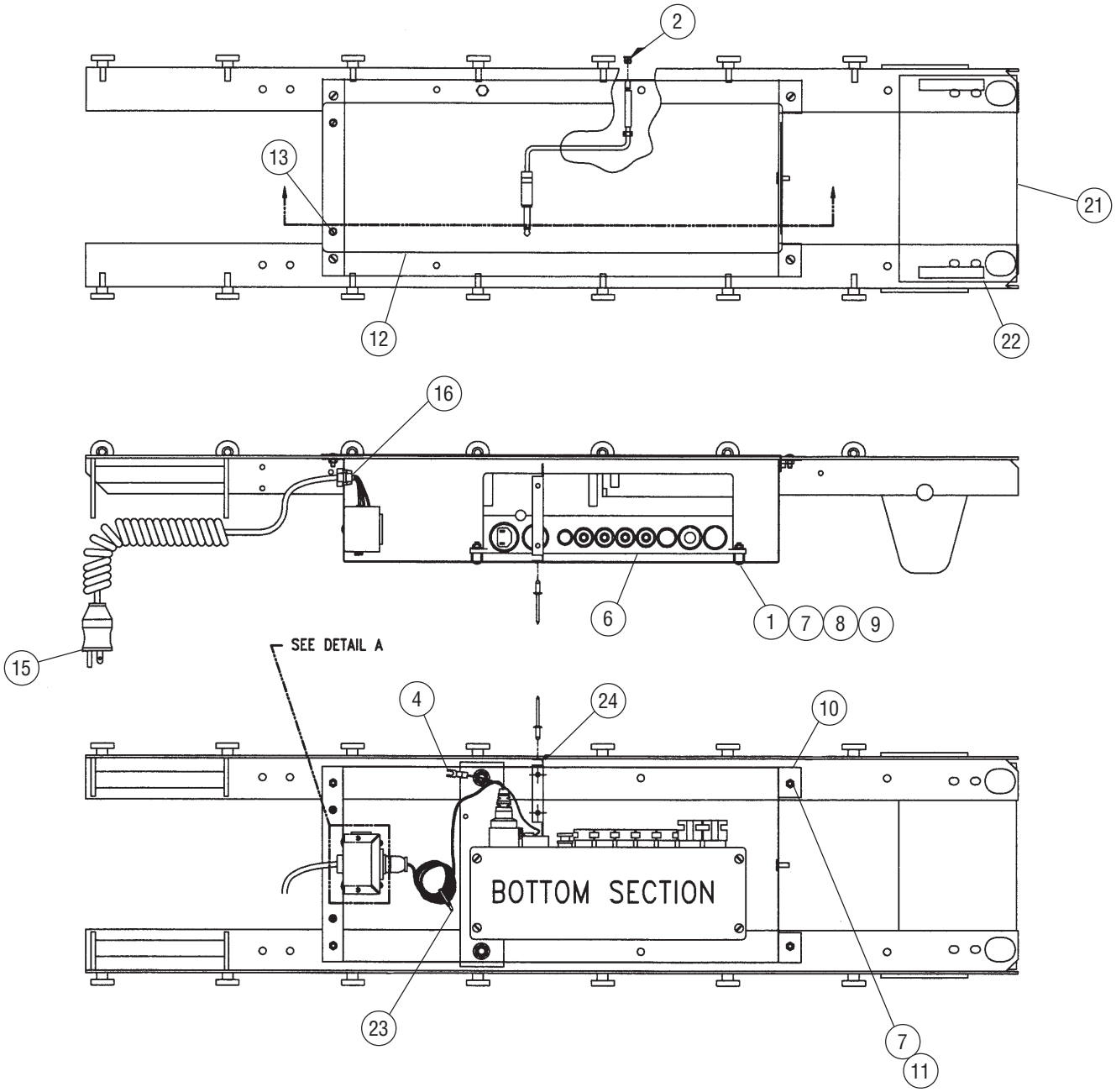
Unit is to be serviced by qualified personnel only.

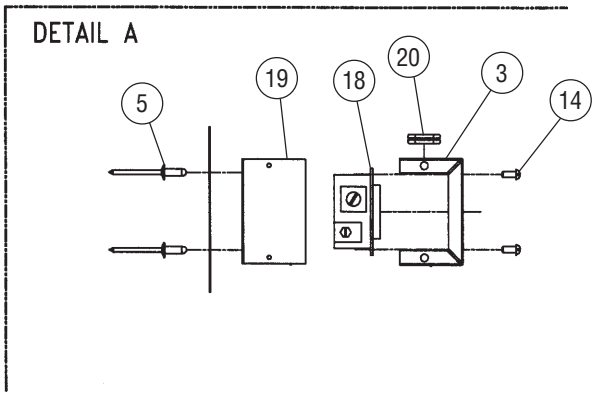
For detailed plug locations, see Figures 7-9 & 7-10.

For detailed label locations, see Figure 7-11.

Figure 7-6. Foot Section Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-6-	**P75900**		**FOOT SECTION ASSEMBLY**	**X**
1	P75912		WELDMENT, Foot Section	1
2	P75932		SHEET, Foot Section	1
3	P75964		WELDMENT, Foot Board	1
4	P75967		ASSEMBLY, Foot Board Link, Left	1
5	P75968		ASSEMBLY, Foot Board Link, Right	1
6	065974		MAT, Foot Board	1
7	P75934		COVER, Foot Board	1
8	000794		RIVET, Pop, 3/16" x 1/2"	14
9	P75938		PLATE, Pad Support	2
10	061159		SCREW, Truss Head Machine, #10-24 x 5/8" Long	4
11	031421		NUT, Lock, #10-24	4
12	065088		VELCRO, Hook, 1.0" x 2.6"	2
13	031055		NUT, Lock, 1/4-20	4
14	035116		Shoulder BOLT, 5/16" x 3/8"	2
15	035114		Shoulder BOLT, 5/16" x 3/4"	2
16	031314		PIN, Spring, 3/16" x 3/4"	2
17	065688		WASHER, Nylon, 5/16"	6
18	081090		WASHER, Internal Tooth, 1/4"	2
19	031212		VELCRO, Hook, 2.0" x 12.0"	1
20	066540		BUMPER, Corner	2
21	000990		VELCRO, Hook, 2.0" x 9.0"	2
22	075235		EXTRUSION, Tube Protector	3
23	068475		TAPE, Double Sided, 1/2" x 2"	4
24	031184		RIVET, Pop, 3/16" x 5/16"	2
25	075751		ACTUATOR, Foot Section	1
26	075627		PIN, Hinge	1
27	065258		PIN, Cotter, Locking	1





***Important Note**: To reduce the risk of electric shock, do not remove the cover.*

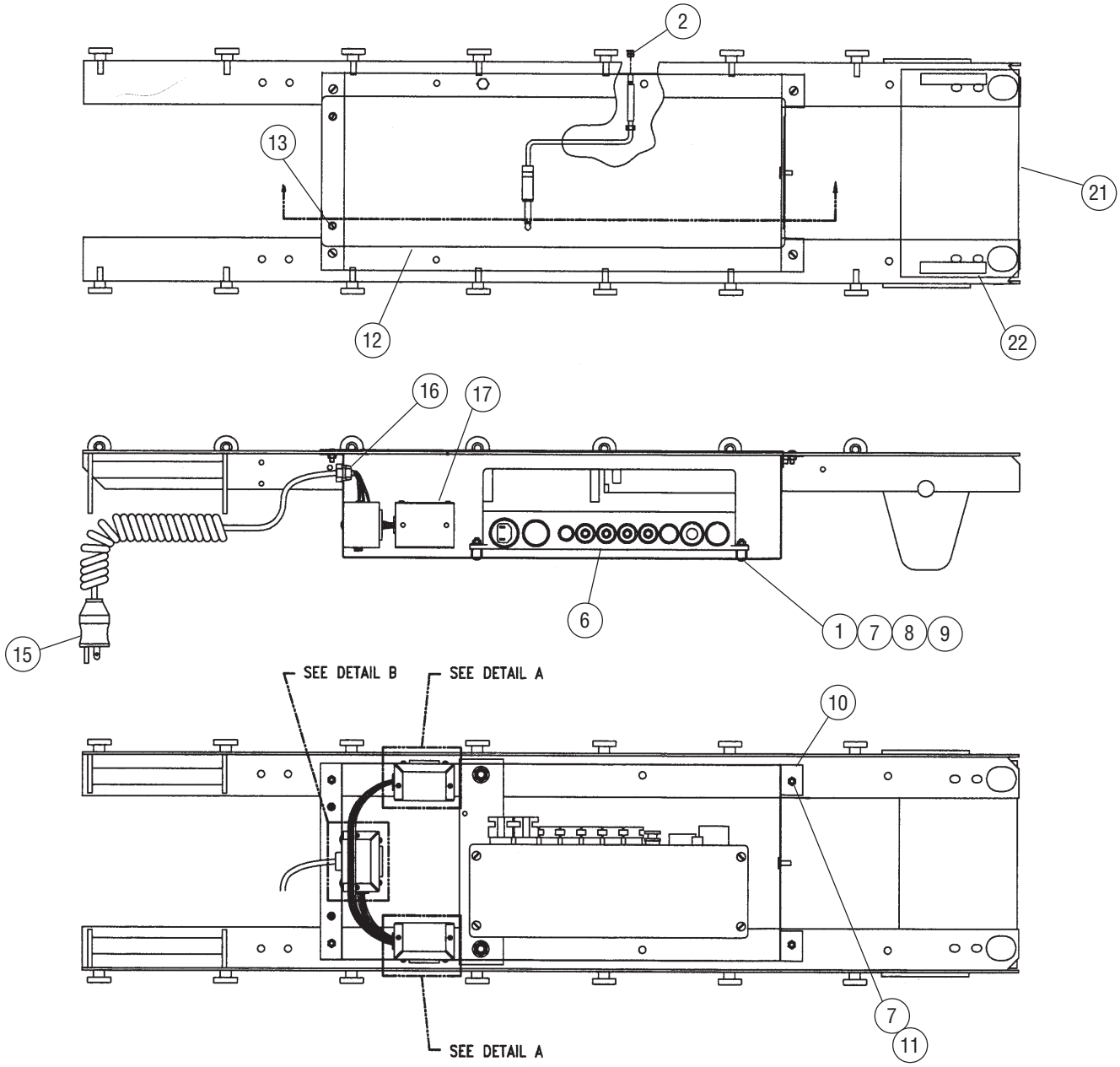
Unit is to be serviced by qualified personnel only.

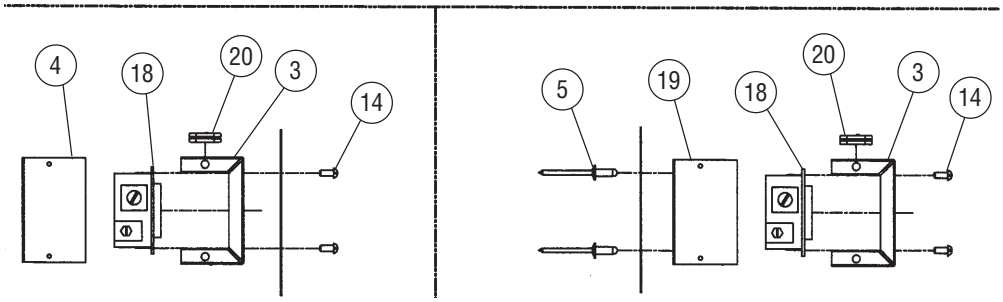
For detailed plug locations, see Figures 7-9 & 7-10.

For detailed label locations, see Figure 7-11.

Figure 7-7. 4E7/4D7 Controller Assembly (After 5/1/00)

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY	
7-7-	**076136**		**4E7 CONTROLLER ASSEMBLY (AFTER 5/1/00)**	**X**	
	076184		**4D7 CONTROLLER ASSEMBLY (AFTER 5/1/00)**		**X**
1	066237		SPACER	4	4
2	075749		ASSEMBLY, Low Battery L.E.D.	1	1
3	068979		BASE, Junction Box	1	1
4	076125		WIRE, Ground	1	1
5	031184		RIVET, Pop, 3/6"	6	6
6	075044		CONTROLLER, CB-14 (129V)	1	–
	075718		CONTROLLER, CB-14 (230V)	–	1
7	031421		NUT, Lock, #10- 24	8	8
8	031500		SCREW, Truss Head Mach, #10-24 x 1" Long	4	4
9	031074		WASHER, Flat, #10	4	4
10	P75913		COVER, Controller	1	1
11	061276		SCREW, Truss Head Mach, #10-24 x 1/2" Long	4	4
12	P75914		SHEET, Controller Cover	1	1
13	031416		SCREW, Self Tapping Type A, #10 x 1/2" Long	2	2
14			SCREW, (part of Receptacle), #8-32	6	6
15	075750		CORD, Coiled	1	1
16	068082		RELIEF, Strain	1	1
17	031097		SCREW, Sheet Metal, #6	2	2
18	068976		RECEPTACLE, Hospital Grade	1	1
19	075969		COVER, Junction Box, Converge	1	1
20	075973		GROMMET	1	1
21	075998		COVER, Under Foot Section	1	1
22	000990		TAPE, Double Sided	6	6
23	065403		TIE, Cable	1	1
24	075137		PLATE, Separator	1	1





***Important Note**: To reduce the risk of electric shock, do not remove the cover.*

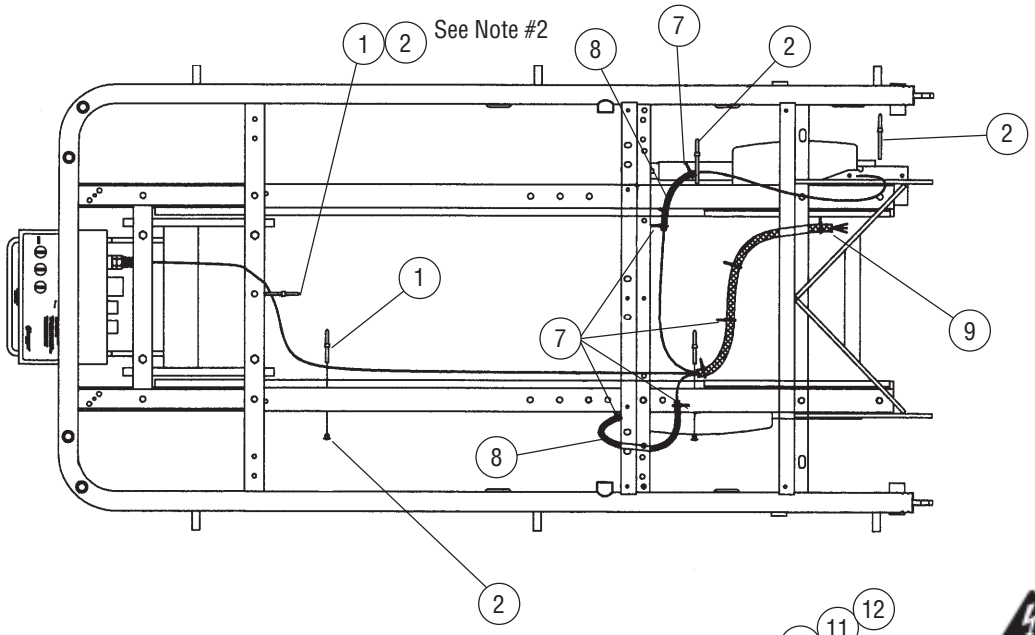
Unit is to be serviced by qualified personnel only.

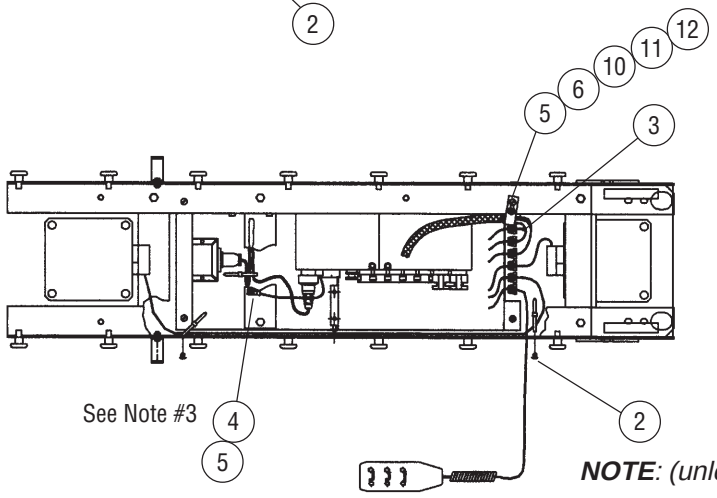
For detailed plug locations, see Figures 7-9 & 7-10.

For detailed label locations, see Figure 7-11.

Figure 7-8. 4E7 Controller Assembly (Before 5/1/00)

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-8-	**075901**		**4E7 CONTROLLER ASSEMBLY (BEFORE 5/1/00) .....**	**X**
1	066237		SPACER	4
2	075749		ASSEMBLY, Low Battery L.E.D.	1
3	068979		BASE, Junction Box	3
4	068980		COVER, Junction Box	2
5	031184		RIVET, Pop, 3/16"	2
6	075044		CONTROLLER, CB-14	1
7	031421		NUT, Lock, #10- 24	8
8	031500		SCREW, Truss Head Mach, #10-24 x 1" Long	4
9	031074		WASHER, Flat, #10	4
10	P75913		COVER, Controller	1
11	061276		SCREW, Truss Head Mach, #10-24 x 1/2" Long	4
12	P75914		SHEET, Controller Cover	1
13	031416		SCREW, Self Tapping Type A, #10 x 1/2" Long	2
14			SCREW, (part of Receptacle), #8-32	6
15	075750		CORD, Coiled	1
16	068982		RELIEF, Strain	1
17	031097		SCREW, Sheet Metal, #6	6
18	068976		RECEPTACLE, Hospital Grade	3
19	075969		COVER, Junction Box, Converge	1
20	075973		GROMMET	3
21	075998		COVER, Under Foot Section	1
22	000990		TAPE, Double Sided	6





***Important Note**: To reduce the risk of electric shock, do not remove the cover.*

Unit is to be serviced by qualified personnel only.

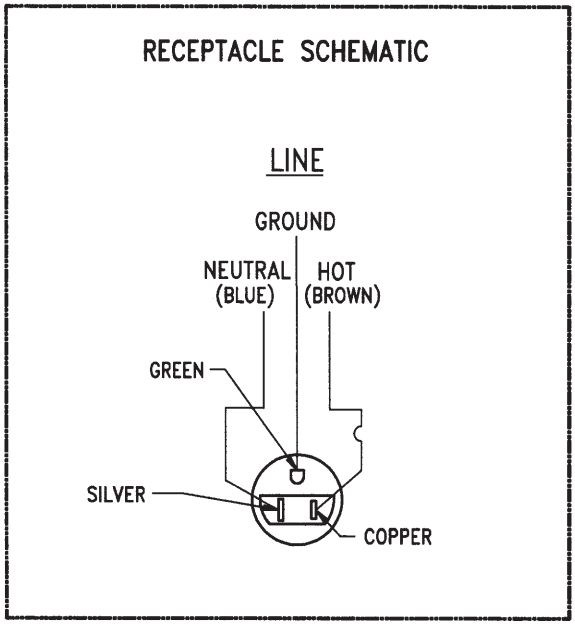
For detailed label locations, see Figure 7-11.

***NOTE**: (unless otherwise specified)*

1. Wrap excess cable and secure with cable tie (Item 2). Place wire bundles in controller cover before attaching cover.

2. Leave sufficient slack to allow full movement of nurse control.

3. Attach ground wire from controller assembly.



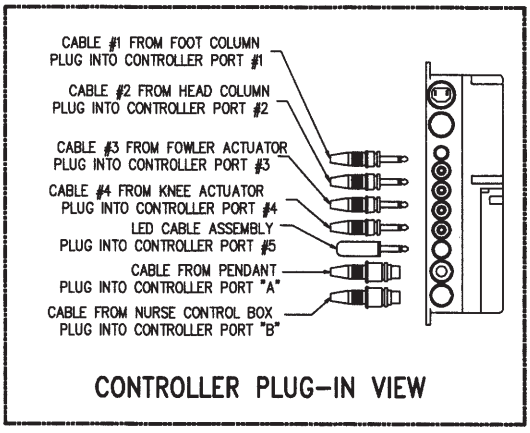

CABLE #1 FROM FOOT COLUMN PLUG INTO CONTROLLER PORT #1
CABLE #2 FROM HEAD COLUMN PLUG INTO CONTROLLER PORT #2
CABLE #3 FROM FOWLER ACTUATOR PLUG INTO CONTROLLER PORT #3
CABLE #4 FROM KNEE ACTUATOR PLUG INTO CONTROLLER PORT #4
LED CABLE ASSEMBLY PLUG INTO CONTROLLER PORT #5
CABLE FROM PENDANT PLUG INTO CONTROLLER PORT "A"
CABLE FROM NURSE CONTROL BOX PLUG INTO CONTROLLER PORT "B"
CONTROLLER PLUG-IN VIEW

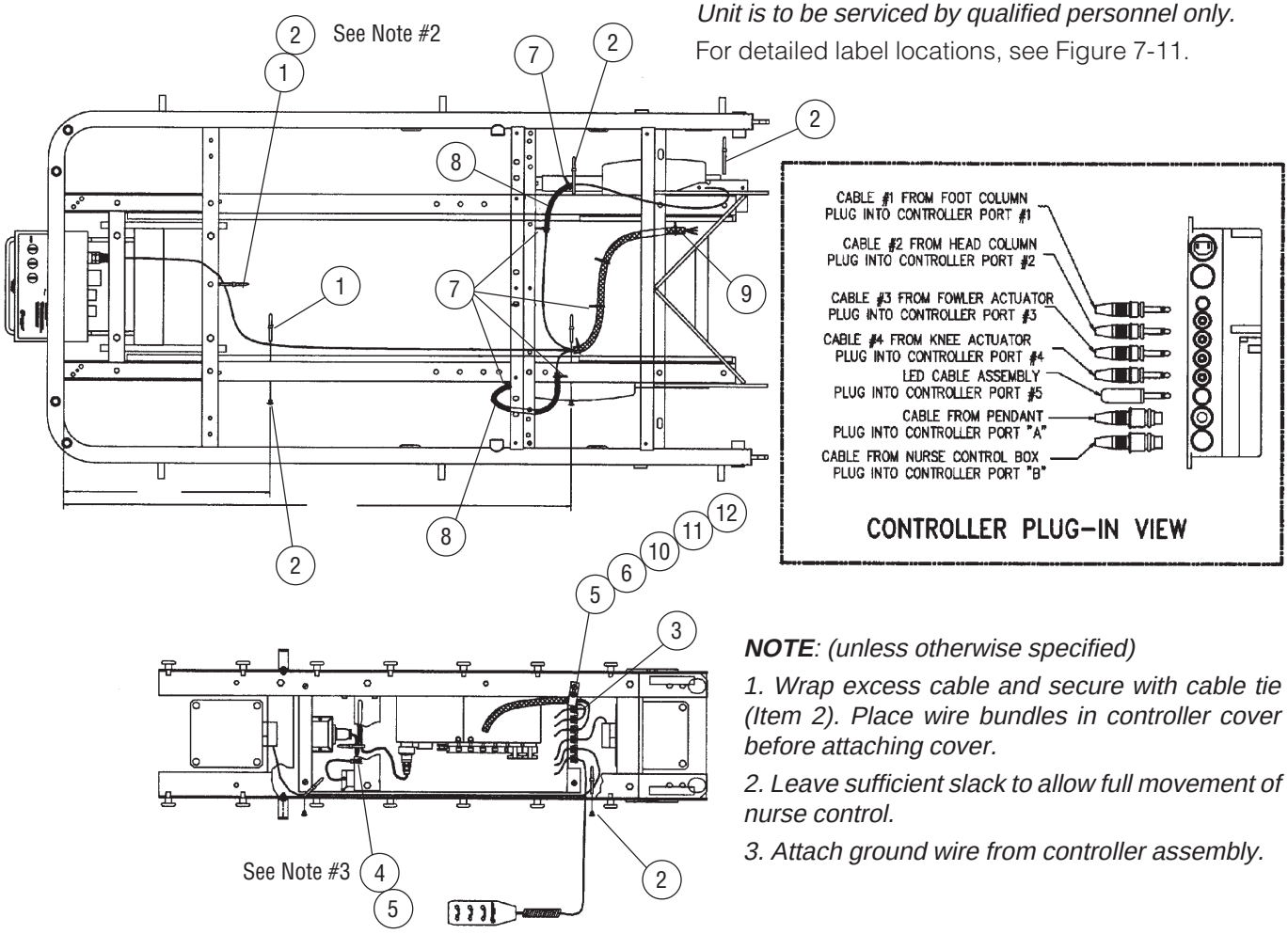
Figure 7-9. Plug and Wiring Diagram (After 5/1/00)

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-9-			**CONTROLLER ASSEMBLY (AFTER 5/1/00) .....**	**X**
1	063031		BUTTON, Wire Tie	5
2	065403		TIE, Cable	8
3	068864		RELIEF, Strain	6
4	031000		SCREW, Washer Head Machine, #10-24 x 1/2" Long	1
5	031421		NUT, Lock, #10-24	3
6	061159		SCREW, Truss Head Machine, #10-24 x 5/8" Long	3
7	000894		TIE, Cable, Small	8
8	075999		WRAP, Cable	2
9	075763		TUBING, Corrigated	1
10	075972		BRACKET, Angle	1
11	031364		WASHER, 1/4"	1
12	065438		CLAMP, Cable, 1/2"	1

***Important Note**: To reduce the risk of electric shock, do not remove the cover.*

Unit is to be serviced by qualified personnel only.

For detailed label locations, see Figure 7-11.

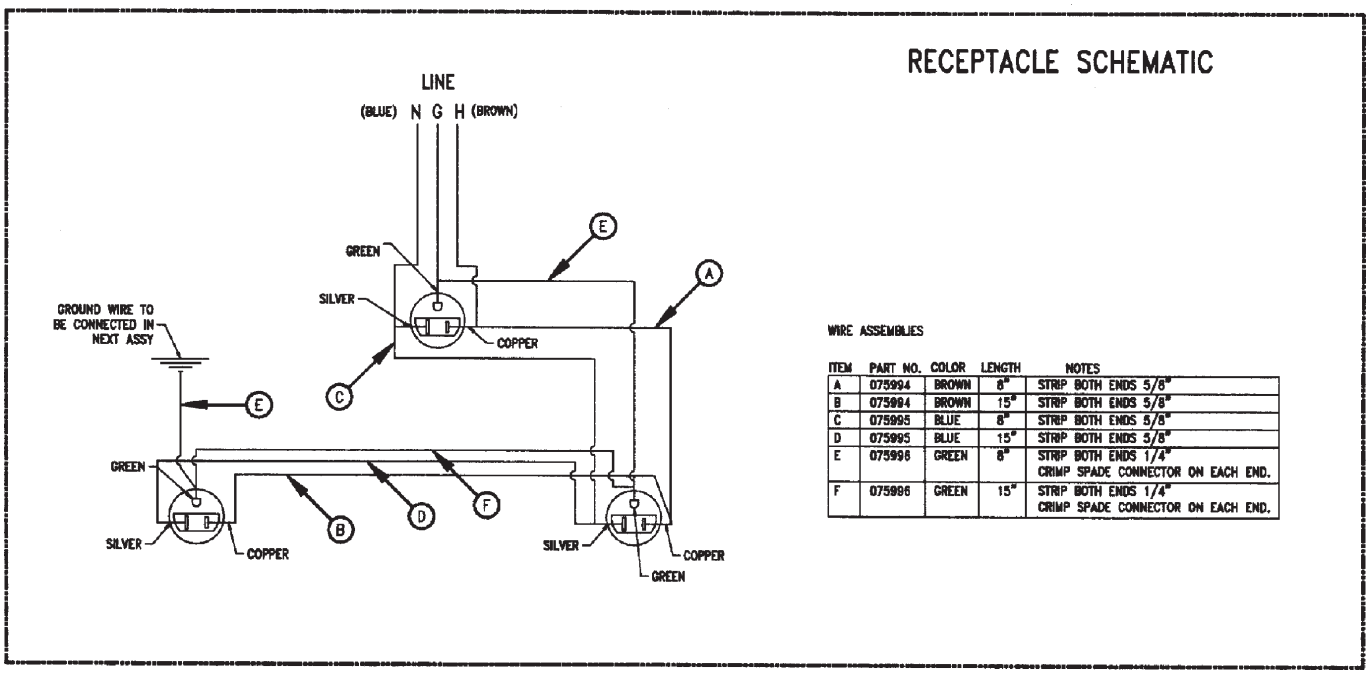

See Note #2
See Note #3
CABLE #1 FROM FOOT COLUMN PLUG INTO CONTROLLER PORT #1
CABLE #2 FROM HEAD COLUMN PLUG INTO CONTROLLER PORT #2
CABLE #3 FROM FOWLER ACTUATOR PLUG INTO CONTROLLER PORT #3
CABLE #4 FROM KNEE ACTUATOR PLUG INTO CONTROLLER PORT #4
LED CABLE ASSEMBLY PLUG INTO CONTROLLER PORT #5
CABLE FROM PENDANT PLUG INTO CONTROLLER PORT "A"
CABLE FROM NURSE CONTROL BOX PLUG INTO CONTROLLER PORT "B"
CONTROLLER PLUG-IN VIEW

***NOTE**: (unless otherwise specified)*

1. Wrap excess cable and secure with cable tie (Item 2). Place wire bundles in controller cover before attaching cover.

2. Leave sufficient slack to allow full movement of nurse control.

3. Attach ground wire from controller assembly.



ITEM	PART NO.	COLOR	LENGTH	NOTES
A	075994	BROWN	8"	STRIP BOTH ENDS 5/8"
B	075994	BROWN	15"	STRIP BOTH ENDS 5/8"
C	075995	BLUE	8"	STRIP BOTH ENDS 5/8"
D	075995	BLUE	15"	STRIP BOTH ENDS 5/8"
E	075996	GREEN	8"	STRIP BOTH ENDS 1/4" CRIMP SPADE CONNECTOR ON EACH END.
F	075996	GREEN	15"	STRIP BOTH ENDS 1/4" CRIMP SPADE CONNECTOR ON EACH END.

Figure 7-10. Plug and Wiring Diagram (Before 5/1/00)

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-10-			**CONTROLLER ASSEMBLY (BEFORE 5/1/00) .....**	**X**
1	063031		BUTTON, Wire Tie	5
2	065403		TIE, Cable	8
3	068864		RELIEF, Strain	6
4	031000		SCREW, Washer Head Machine, #10-24 x 1/2" Long	1
5	031421		NUT, Lock, #10-24	3
6	061159		SCREW, Truss Head Machine, #10-24 x 5/8" Long	3
7	000894		TIE, Cable, Small	8
8	075999		WRAP, Cable	2
9	075763		TUBING, Corrigated	1
10	075972		BRACKET, Angle	1
11	031364		WASHER, 1/4	1
12	065438		CLAMP, Cable, 1/2"	1

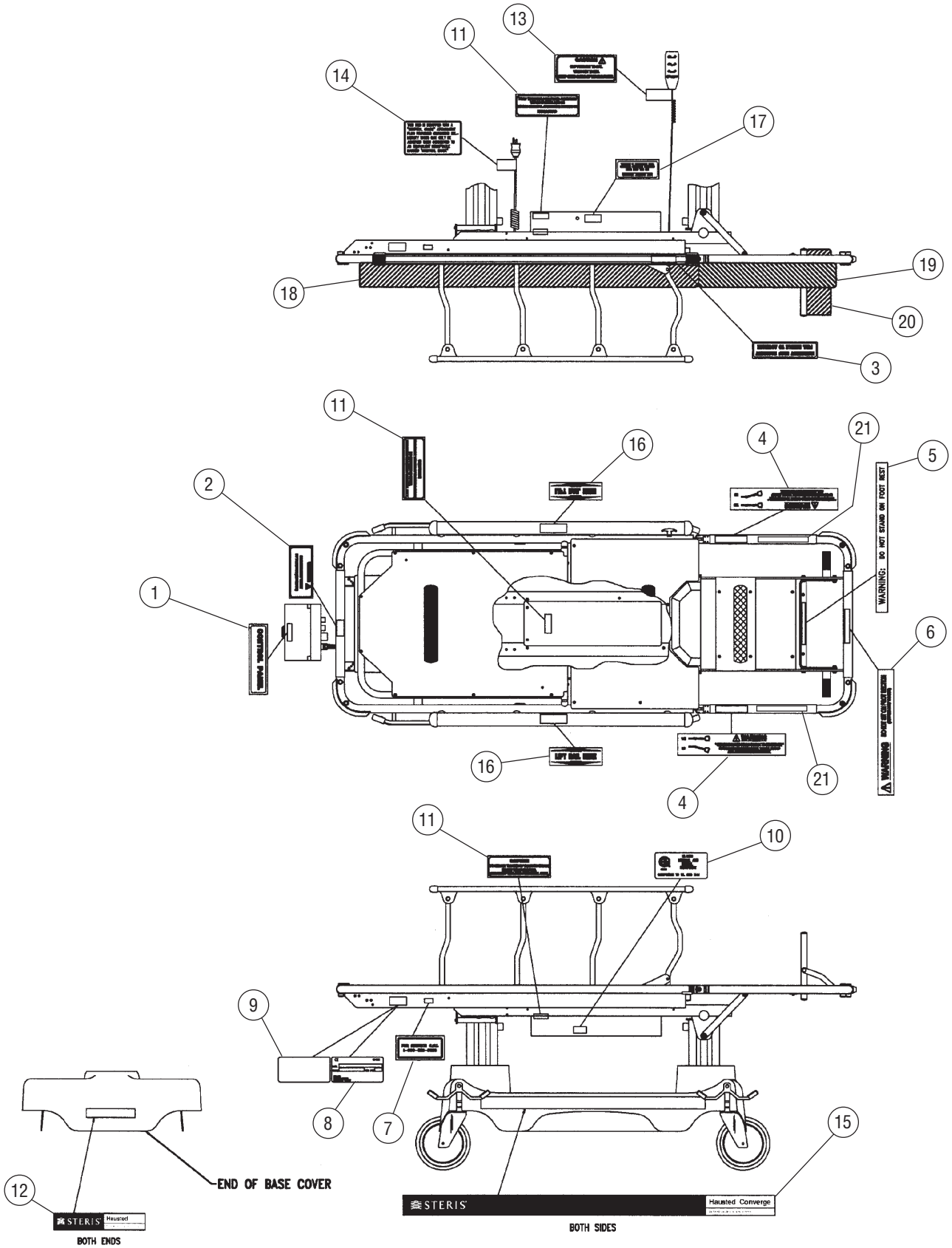


Figure 7-11. Label and Pad Locations

FIG. & ITEM NO.		PART NUMBER		SVC	DESCRIPTION	UNITS PER ASSEMBLY					
7-11-					**4E7 LABEL AND PAD LOCATIONS**	**X**					
					4D7 LABEL AND PAD LOCATIONS		**X**				
1		075035			LABEL, Control Panel	1	1				
2		075490			LABEL, Max Patient Weight	1	1				
3		075040			LABEL, Emergency Drop Back Rest	1	1				
4		075986			LABEL, Stirrup Warning	1	1				
5		061141			LABEL, Foot Rest Warning	1	1				
6		075753			LABEL, Warning Converge Foot Section	1	1				
7		063022			LABEL, Service	1	1				
8		076127			LABEL, Serial Number , 110 Electric	1	–				
		075475			LABEL, Serial Number , 230 Electric	–	1				
9		031458			LABEL, Clear Overlay	1	1				
10		061815			LABEL, ETL	1	–				
11		068855			LABEL, Service Caution	3	3				
12		075831			LABEL, End	2	2				
13		075489			LABEL, Pendant	1	1				
14		055025			LABEL, Hospital Grade Plug	1	–				
15		075846			LABEL, Side	2	2				
16		035598			LABEL, Lift Rail Here	2	2				
17		075748			LABEL, Low Battery Warning	1	1				
18		075918			PAD, Back Section	1	1				
19		075919			PAD, Thigh Section	1	1				
20		075021			PAD, Foot Section	1	1				
21	P	150830	327		LABEL, Tipping Warning	1	1				

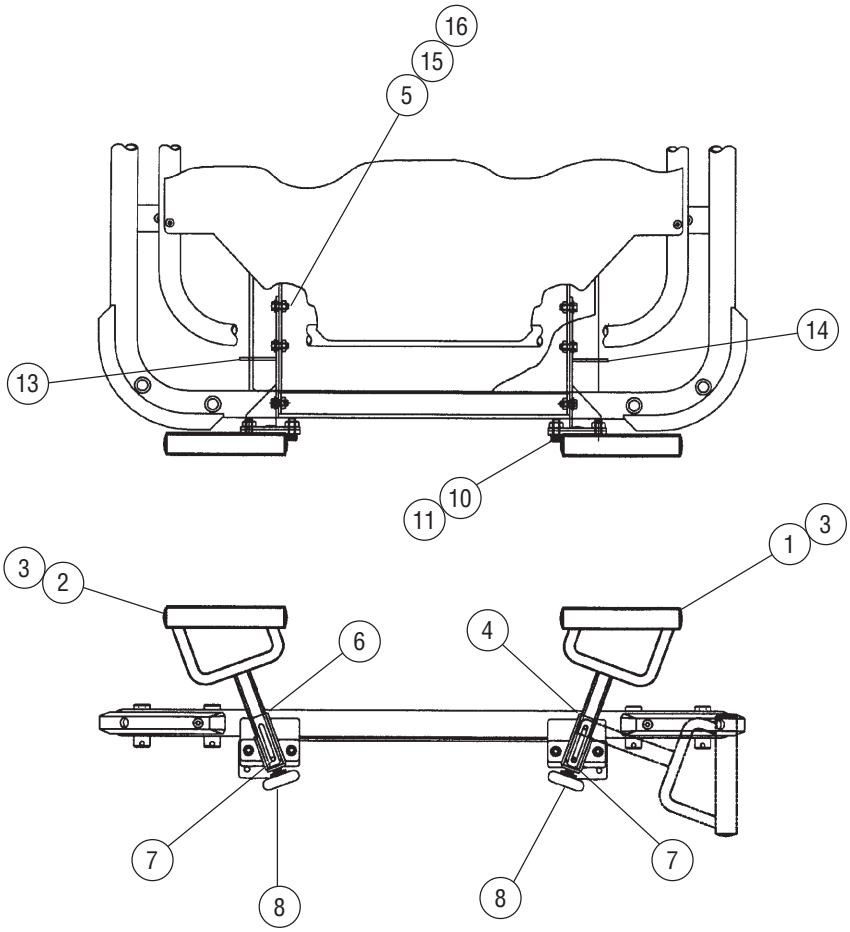
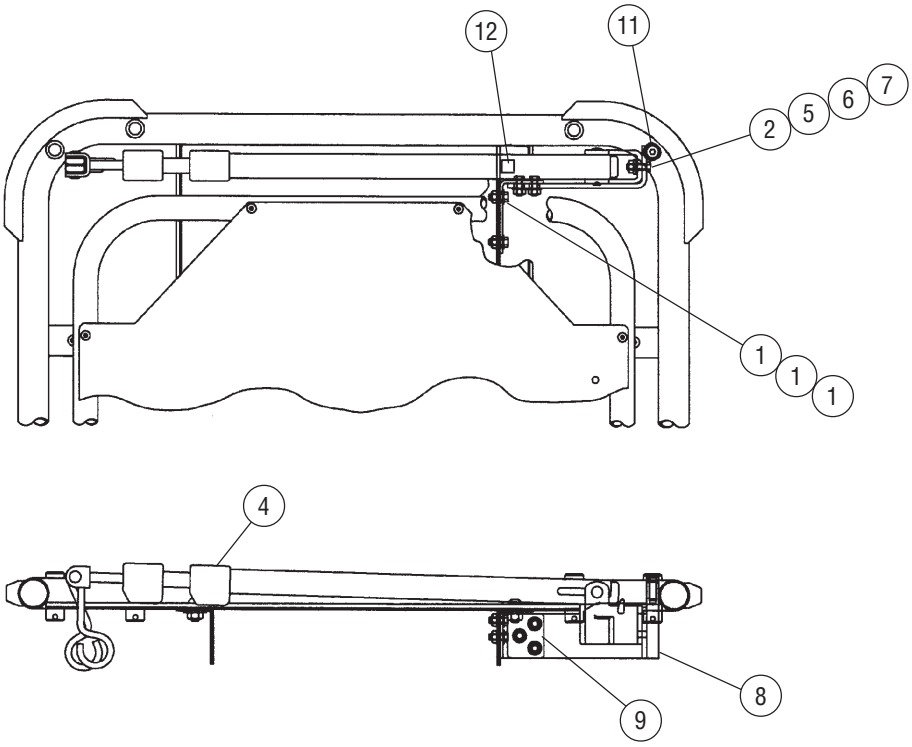


Figure 7-12. Push Bar Assembly, Tubular Style Tops

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-12-	**075665**		**PUSH BAR ASSEMBLY, TUBULAR STYLE TOPS, AIRGLIDE**	**X**
1	075631		ASSEMBLY, Push Handle A	1
2	075642		ASSEMBLY, Push Handle B	1
3	075637		• WELDMENT, Push Handle	1
4	075633		• BRACKET, Hinge, A	1
5	031076		• WASHER, Flat, USS, 1/4"	8
6	075634		• BRACKET, Hinge, B	1
7	031118		• PIN, Spring, 3/16" x 1"	2
8	075643		• BUMPER, 1-3/4" Dia	2
9	031364		• WASHER, Flat, 1/4"	2
10	031055		• NUT, Lock, 1/4-20	2
11	035192		SCREW, Socket Head Cap, 5/16-18 x 3/4" Long	4
12	031057		NUT, Lock, 5/16"	4
13	P75646		WELDMENT, Bracket A	1
14	P75651		WELDMENT, Bracket B	1
15	P75652		BARS, Connecting Bar Push, E.W.	1
16	068786		SCREW, Hex Head Cap, 1/4-20 x 5/8" Long	8

NOTE: Items 3-10 are included in Items 1 and 2.



***NOTE**: I.V. rod is shown mounted on patient's left which is standard. The I.V. rod can be mounted on the patient's right by bolting to the other side angle using Item 13 in place of Item 8 and Item 14 in plate of Item 9.*

Figure 7-13. I.V. Rod Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-13-	**075590**		**I.V. ROD ASSEMBLY, LEFT**	**X**
	075591		**I.V. ROD ASSEMBLY, RIGHT**	**X**
1	062038		SCREW, Button Head Cap, 1/4-20 x 5/8" Long	2
2	031055		NUT, Lock, 1/4-20	7
3	075568		BRACKET, I.V. Rod Support	1
4	075545		ASSEMBLY, Trigger Style I.V. Rod	1
5	031137		SCREW, Hex Head Cap, 1/4-20 x 3/4" Long	2
6	031364		WASHER, Flat, 1/4"	2
7	030923		WASHER, Lock, 3/8"	2
8	074470		WELDMENT, , I.V. Rod Mtg Bracket,-Right	1
9	075573		BRACKET, I.V. Rod Attachment-Right	1
10	031076		WASHER, Flat, 5/16"	5
11	031033		SCREW, Socket Head Cap, 5/16 -18 x 1.0" Long	1
12	061592		GROMMET, Self Adhesive	1
13	075575		WELDMENT, I.V. Rod Mounting Bracket, Left	
14	075576		BRACKET, I.V. Rod Attachment, Left	

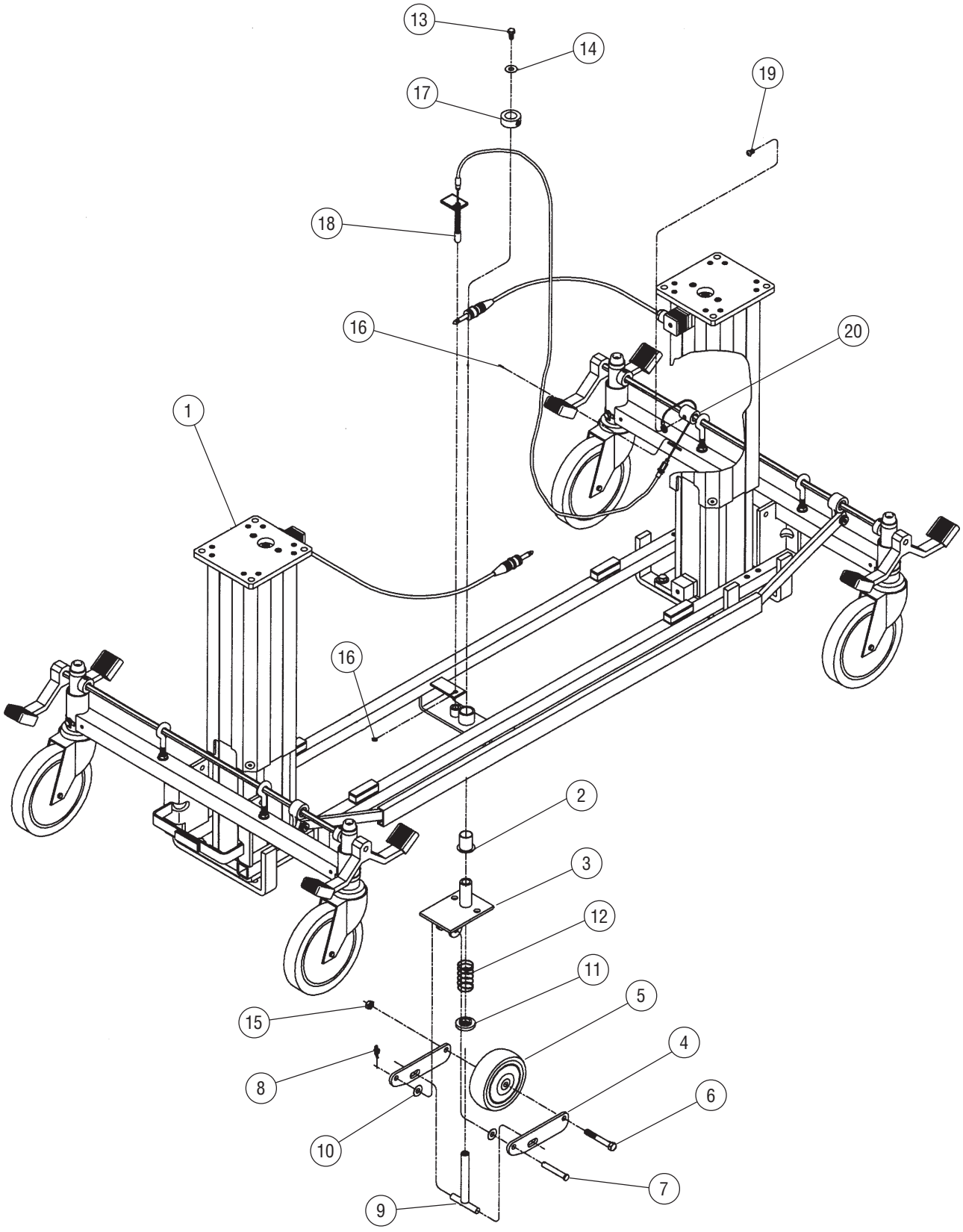


Figure 7-14. Fifth Wheel Assembly

FIG. & ITEM NO.	PART NUMBER	SVC	DESCRIPTION	UNITS PER ASSEMBLY
7-14-	**068516**		**FIFTH WHEEL ASSEMBLY**	**X**
1			ASSEMBLY, 4E2 Base	1
2	051308		NYLINER, Flange, 3/4" x 1-1/8"	1
3	068360		ASSEMBLY, Swivel Bracket	1
4	068429		PLATE, 5th Wheel Hinge	2
5	068415		WHEEL, 4"	1
6	068543		SCREW, Hex Head Cap, 5/16-18 x 2" Long	1
7	068419		PIN, Clevis, 5/16" x 2.0"	1
8	068417		CLIP, Rue, 5/16"	1
9	068540		ASSEMBLY, Spring Stop	1
10	065688		WASHER, Nyon, 5/16"	2
11	068416		SPACER	1
12	068173		SPRING, 5th Wheel	1
13	031004		SCREW, Hex Head Cap, 1/4-20 x 1/2" Long	1
14	031076		WASHER, 1/4"	1
15	031057		NUT, Lock, 5/16-18	1
16	062640		RING, Retaining	2
17	068464		COLLAR, 3/4"	1
18	068430		ASSEMBLY, 5th Wheel Cable	1
19	068544		SCREW, Button Head Socket, 1/4-20 x 3/8" Long	1
20	068373		TUBE, Cam	1